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Automotive Environmental Systems, Inc, Westminster, CA

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This report presents data obtained as a result of testing and inspection of 125 1975 thru 1977 vehicles with greater than 50,000 miles, 72 1978 3-way catalyst vehicles and a group of 53 1979 vehicles, mostly with 3-way catalysts. The test fleet was obtained randomly from private owners in the Los Angeles and Orange County areas. Testing was performed from January 1979 through June 1979.

Each vehicle was first tested in an as-received condition. The test sequence consisted of the 1975 Federal Test Procedure (exhaust emissions only), a Two-Speed Idle test, and a Federal Three Mode test. The Clayton KEY MODE test was also performed on 65 vehicles within the test fleet. After the initial test sequence, each vehicle was subjected to a thorough under-hood inspection. Restorative maintenance was then performed on 48 high-mileage vehicles which were not able to meet their standards. This was followed by another test sequence to gather information on the effectiveness of the repair effort.

Vehicles received without limiter caps had the idle mixture adjusted and the caps replaced. These vehicles received an after-test follow-up inspection approximately 30 days later to see if the caps were untouched.

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A STUDY OF EXHAUST EMISSIONS FROM 1975-1979 MODEL YEAR PASSENGER CARS IN LOS ANGELES

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Publication No. EPA-460/3-79-004

ABSTRACT

This report presents and summarizes data obtained as a result of testing and inspection of 125 1975 thru 1977 vehicles with greater than 50,000 miles, 72 1978 3-way catalyst vehicles and a group of 53 1979 vehicles, mostly with 3-way catalysts. The test fleet was made up of automobiles manufactured by General Motors, Ford, Chrysler, American Motors, Honda, Toyota, Fiat, Volkswagen, BMW, Datsun, Mercedes, Volvo and Saab. They were obtained randomly from private owners in the Los Angeles and Orange County areas. Testing was performed from January 1979 through June 1979.

Each vehicle was first tested in an as-received condition. The test sequence consisted of the 1975 Federal Test Procedure (exhaust emissions only), a Two-Speed Idle test, and a Federal Three Mode test. Under a later agreement between Clayton Manufacturing Company, the Environmental Protection Agency and Automotive Environmental Systems, Inc. the Clayton KEY MODE test was also performed on 65 vehicles within the test fleet.

After the initial test sequence, each vehicle was subjected to a thorough under-hood inspection. Restorative maintenance was then performed on 48 high-mileage vehicles which were not able to meet their standards. The repair sequence, performed after inspection, included correction of maladjustments and disablements; adjustment of idle RPM and idle CO; and a major tune-up and repair of failed emissions components. Each of these three steps was followed by another test sequence to gather information on the effectiveness of the repair effort. Two 1979 model year vehicles also received restorative maintenance.

Vehicles received without limiter caps had the idle mixture adjusted and the caps replaced. These vehicles received an after-test follow-up inspection approximately 30 days later to see if the caps were untouched.

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CONTENTS

Abstract iii
Acknowledgements v

1. Introduction 1
2. Technical Discussion 3
   2.1 Program Objectives. 3
   2.2 Program Design. 3
   2.3 Test Vehicle Procurement. 3
      2.3.1 Test Vehicle Selection. 4
      2.3.2 Incentives for Participation. 4
      2.3.3 Test Vehicle Handling 4
   2.4 Facilities and Equipment. 4
      2.4.1 Test Location 4
      2.4.2 Constant Volume Sampler 5
      2.4.3 Emission Analysis Console 5
         2.4.3.1 Data Acquisition System. 6
      2.4.4 Laboratory Standard Calibration Gases 6
      2.4.5 Chassis Dynamometer 7
      2.4.6 Driver's Aid. 7
      2.4.7 Miscellaneous Equipment 7
   2.5 Equipment Qualification, Calibration and Cross Check. 8
      2.5.1 Constant Volume Sampler (CVS) 8
      2.5.2 Emission Analysis Console 9
         2.5.2.1 Dilute Exhaust Analysis Console. 9
         2.5.2.2 Raw Exhaust Analysis Console 10
         2.5.2.3 Daily Qualification Checks 10
         2.5.2.4 Data Acquisition System 11
      2.5.3 ECE-50 Chassis Dynamometer. 11
      2.5.4 Miscellaneous Equipment 11
   2.6 Test Procedures 11
      2.6.1 Vehicle Preparation 11
         2.6.1.1 Driveability Evaluation. 11
      2.6.2 Equipment Preparation 12
      2.6.3 Federal Exhaust Emission Test Procedure 12
      2.6.4 Two-Speed Idle Test 12
      2.6.5 Federal Three Mode Test 13
      2.6.6 Clayton KEY MODE. 13
      2.6.7 After-Test Procedures 14
      2.6.8 Maladjustment & Disablement Inspection Procedure. . . . 14
      2.6.9 Restorative Maintenance Test Procedures 14
      2.6.10 Daily Test Schedule Procedure 14

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2.6.11 Limiter Cap Inspection Procedure 15
2.6.11.1 Procedure Before Leaving AESi 15
2.6.11.2 Procedure At Repair Facility 15
2.6.11.3 Procedure After Returning to AESi 15
2.6.11.4 Follow-Up Procedure 15
2.7 Data Handling 16
2.7.1 Data Collection. 16
2.7.2 Data Processing. 16
2.7.3 Quality Control. 16
2.7.4 Calculation of Results 16
2.7.4.1 Federal Test Procedure. 16
2.7.4.2 Two-Speed Idle Emissions. 17
2.7.4.3 Federal Three Mode Emissions. 17
2.7.4.4 Clayton KEY MODE Emissions. 17
3. Discussion of Test Results 19
3.1 Test Fleet Description. 19
3.2 Federal Test Procedure Emissions and Fuel Consumption 19
3.3 Vehicles Meeting Exhaust Emission Standards 19
3.4 Two-Speed Idle Emissions. 19
3.5 Federal Three Mode Emissions. 19
3.6 Clayton KEY MODE Emissions. 19
3.7 Before & After Restorative Maintenance FTP Emissions & Fuel Consumption 20
3.8 Maladjustment and Disablement Inspection Results. 20
3.9 Restorative Maintenance Costs 20
3.10 Effectiveness of Commercial Adjustments 20
3.11 Limiter Cap Inspections 20

List of Tables. 21
Table 1: Summary of Vehicle Makes 23
Table 2: Summary of Test Vehicle Characteristics by Model Year. . 24
Table 3: Summary of Exhaust Emission Test Results by Model Year . 25
Table 4: Vehicles Meeting California Standards, 1975-1976 Model Years. 29
Table 5: Vehicles Meeting California Standards, 1977-1979 Model Years. 29
Table 6: Summary of Exhaust Emission & Fuel Economy Results & Improvements at Successive Stages of Maintenance . . . 30
Table 7: Summary of Emission Component Inspection Information . . 31
Table 8: Summary of Restorative Maintenance Costs by Manufacturer 33
Table 9: Effectiveness of Commercial Adjustments. 34

List of Appendices 35
Appendix A: Listing of Vehicle & Test Parameters. 37
Appendix B: Listing of Test Vehicle Use & Maintenance Data. . . . 47
Appendix C: Listing of Federal Test Procedure Results on Individual Vehicles 55
Appendix D: Listing of Two-Speed Idle Emissions Results on Individual Vehicles 131
Appendix E: Listing of Federal Three Mode Emissions Results on Individual Vehicles 151

Appendix F: Listing of Driveability Evaluations on Individual Vehicles 199
Appendix G: Listing of Emission Component Inspection Information on Individual Vehicles 211
Appendix H: Listing of KEY MODE Emissions on Individual Vehicles . 229
Appendix I: Listing of Restorative Maintenance Costs on Individual Vehicles 241
Appendix J: Listing of Commercial Adjustment Results on Individual Vehicles 245

SECTION 1

INTRODUCTION

The U.S. Environmental Protection Agency (EPA), through authority provided by the Clean Air Act, is responsible for the control and prevention of air pollution. One of the charges of the EPA as provided by the act is the design, conduct and promotion of surveys and studies of the sources of air pollution. The Emission Control Technology Division (ECTD) of the EPA develops, implements and administers a national program to characterize, qualify and reduce the air pollution caused by mobile sources. Included in the division's responsibilities are obtaining emission data from in-use vehicles and developing and evaluating vehicle emission control alternatives. These in-use vehicle data are utilized by EPA in calculating and projecting nationwide and metropolitan area motor vehicle emissions from light-duty vehicles. The emission factors generated by this process are used in developing transportation control procedures and contingency programs to cover emergency situations. Outside the EPA, these factors and the emission control alternatives are used by various state and local agencies in their air pollution control programs. In carrying out its responsibilities, the EPA regularly conducts in-use vehicle emission factors programs and emission control alternative studies. In order to support the states in their efforts to implement their air quality programs, the Emission Control Technology Division will use the data generated by this project to assess the effectiveness of automobile inspection/maintenance programs in reducing emission factors.

This report describes a program conducted by Automotive Environmental Systems, Inc. (AESi) in the Los Angeles, California area, to determine exhaust levels of late model in-use automobiles utilizing various levels of technology to reduce tailpipe emissions. Actual vehicle testing took place between January 1979 and June 1979.

A series of tests were performed on 250 randomly-selected privately-owned vehicles. Each test sequence consisted of a Federal Test Procedure (FTP), a Two-Speed Idle test and a Federal Three Mode test. An additional test, the Clayton KEY MODE, was performed on 65 vehicles. Two of the vehicles (6189 and 5204) did not have an as-received Clayton KEY MODE test performed on them but did receive subsequent tests after restorative maintenance.

Restorative maintenance was performed on forty-eight high mileage vehicles that failed the California Emission Standards. These vehicles received up to three additional maintenance steps and retests until the standard was met or until a major tune-up was completed, whichever came first.

All vehicles missing originally supplied idle mixture limiter caps were subject to an after-release inspection. Vehicles in the restorative maintenance group had a check 30 days after return to the participant for positioning of caps. Non-restorative maintenance vehicles required an idle CO and idle RPM adjustment at a commercial facility, followed by a check by AESi 30 days later. Specific data sheets documenting these adjustments and follow-up checks were delivered to the Project Officer.

Section 2 of this report describes the objectives, experimental design, and conduct of the program. Section 3 presents summary results. Detailed listings of data are presented in the Appendices by vehicle and test number. Data packets and punched computer cards, with EPA-defined data formats, were submitted to the Project Officer.

SECTION 2

TECHNICAL DISCUSSION

2.1 PROGRAM OBJECTIVES

The objectives of this project were to identify the emission levels for late model automobiles, to show the effectiveness of restoration of defective emission components and to gather information on the ability of garage mechanics to adjust idle mixture and engine speed to manufacturer specification.

2.2 PROGRAM DESIGN

Each vehicle received the Federal Test Procedure (FTP) test, the Two-Speed Idle test and the Federal Three Mode test.

The emphasis of this project was on inspection and maintenance of high-mileage vehicles and on the gathering of emissions information on three-way catalyst equipped vehicles due to their projected rapid increase in population. The test fleet was made up of 1975-1979 model year vehicles. Included in the matrix are 48 1975-1978 model year vehicles with greater than 50,000 miles that underwent a maximum of 4 tests as part of restorative maintenance sequence. Two 1979 model year vehicles also received restorative maintenance. Toward the end of the program, an additional test, the Clayton KEY MODE, was performed on 65 vehicles. The conduct of these tests was funded by Clayton Manufacturing Company and the data made available to EPA for inclusion in this report.

2.3 TEST VEHICLE PROCUREMENT

The minimum standards for test vehicle procurement were as follows:

Listed make and model year	100%
Listed make, model year and engine displacement	90%
Exact match	70%

In an effort to avoid biasing the sample, the number of vehicles procured from members of commercial, civic, fraternal, or religious organizations was limited to 50% of the vehicles from any one model year. Groups of vehicles were not obtained from organizations which are automobile oriented.

2.3.1 Test Vehicle Selection

Test vehicles were selected based on guidelines provided by the EPA Project Officer. This included a heavy emphasis on 1978 and 1979 vehicles having 3-way catalyst or other "New Technology" emission systems.

Test vehicles were solicited using various means. Vehicle registration lists were purchased from a market information service company. The automobile manufacturers provided some lists of vehicle owners. Mailings were prepared from these lists. Vehicles were also solicited using news releases in local papers, paid advertisements in newspapers and flyers, and electronic advertising in a major shopping mall in Westminster. A military base in the area also provided a listing of automobiles registered on the base.

2.3.2 Incentives for Participation

The owner of a suitable test vehicle was provided the following incentives for his participation:

> A $50 U.S. Savings Bond. Bonds were mailed to participants within one month following the test on their vehicle. In certain cases, the cash equivalent was provided.
>
> The owner's automobile was returned with a full tank of fuel.
>
> Most owners chose to accept the use of a late-model, fully insured loaner automobile during the time their vehicle was undergoing testing.

2.3.3 Test Vehicle Handling

In most cases, the vehicle was scheduled to be delivered to AESi in Westminster by appointment. In some cases, vehicles were picked up and/or delivered at a participant's home or place of business. An inspection was performed to ensure proper vehicle match and to establish the physical condition of the vehicle. A loan vehicle exchange agreement, the savings bond application and the Vehicle Owner Use Questionnaire were also completed at this time.

2.4 FACILITIES AND EQUIPMENT

2.4.1 Test Location

All tests were performed at AESi's test facility at 7300 Bolsa Avenue in Westminster, California. The facility is located approximately 25 miles south of downtown Los Angeles at an elevation of 45 feet above sea level.

The test facility environment, including testing and vehicle soak areas, was maintained within the requirements of contract. A permanent record was maintained for the ambient temperature in the soak and test areas for all phases of testing. The soak area is inside the same building as the test area and is free from precipitation.

2.4.2 Constant Volume Sampler

A positive displacement pump type constant volume sampler, built by AESi was used in this program. This CVS meets or exceeds all specifications defined in the Federal Register, Volume 40, No. 126, June 30, 1975 (40 FR 126). The system contains six bags switched by computer in sample/background pairs.

All plumbing in the sampling, analytical and calibration systems is either stainless steel or teflon. This includes sample lines, calibration and zero gas lines and the valves and regulators for NO gases. Leak-tight stainless steel convoluted tubing is used between the CVS and the vehicle tail pipe. An appropriate leak-tight boot was used to connect the tailpipe to the convoluted tubing. A stainless steel heat exchanger with temperature controlled cold water inlet was used to provide essentially a constant exhaust gas temperature for the entire test.

The sample and dilution air bags are made of Dupont Tedlar material. The sample and background bags are of a volume compatible with the CVS unit (i.e., no pressure build up in the bag when filling with sample or background gas).

2.4.3 Emission Analysis Console

An AESi exhaust gas analytical system meeting or exceeding the specifications of 40 FR 126, was used for dilute gas measurements. Similar laboratory type instrumentation, with higher ranges, was used for analysis of raw gases. In addition, a Chrysler Model III garage-type analyzer was used for measurement of raw HC and CO. The console contains the following instrument types and ranges:

Analyzer	Ranges
Bendix Model 8501-5C (CO)	0-100, 0-500 ppm (11¼" Cell Length)
Beckman 315B NDIR (CO)	0-.3% (5¼" Cell Length) 0-3%, 0-5% (1/8" Cell Length)
Beckman 315B NDIR (CO_2)	0-2.5%, 0-4% (1/8" Cell Length)

Analyzer	Ranges
Two Teco 10A	
Chemiluminescent	0-100, 0-250,
(NOx) (1 Dilute Exhaust)	0-1,000, 0-2,500 ppm
(1 Raw Exhaust)	0-250, 0-1,000, 0-2,500 0-4,000 ppm
Two Beckman 400	0-50, 0-100, 0-300 ppm Carbon;
FIDs (HC)	0-1,000, 0-3,000 ppm Carbon
Chrysler Model III Garage	
(Raw HC)	0-300, 0-2,000 ppm Hexane Equivalent
(Raw CO)	0-.5%, 0-10%

2.4.3.1 Data Acquisition System

Data were obtained from the analyzers, CVS and dynamometer via an AESi Data Acquisition Control Computer (DACC). The Data General NOVA computer was also used for generation of the driver traces for the various schedules, for sample bag management and for calculation and presentation of the emission test results. The data were printed by a Data General Dasher printer immediately following sample analysis.

The output from the analyzers was also wired to the inputs of four Hewlett-Packard Model 7130A two-pen recorders. One recorder was used for dilute HC and NOx, one for dilute CO and CO_2, one for undiluted HC and CO and one for undiluted NO.

Calibration gases for each range of the HC and NOx analyzers were chosen such that three points were used across the curve (zero and approximately 45% and 90% of full scale concentration). CO and CO_2 calibration points were at zero and approximately 15, 30, 45, 60, 75 and 90 percent of full scale. All span gases were 80-100 percent of full scale.

The diluents used in the calibration and working gases are:

HC, ppmC	Propane in HC free air
NOx, ppm	In zero grade nitrogen
CO, mole %	In zero grade nitrogen
CO_2, mole %	In zero grade nitrogen

2.4.4 Laboratory Standard Calibration Gases

Laboratory standard calibration gases, previously approved by EPA, were used for defining instrument calibration curves and assigning concentration values for the working gases. Each cylinder of standard gas and each working gas cylinder was equipped with its own pressure regulator as specified

by the contract. All gases were plumbed to a quick-disconnect panel for ease in selecting the gas desired during calibration and testing.

2.4.5 Chassis Dynamometer

The chassis dynamometer was equipped to simulate vehicle inertia and road load horsepower as required in 40 FR 126.

The dynamometer used is a Clayton ECE-50 with 17¼ inch roll spacing and 8 5/8 inch diameter rolls. Direct drive variable inertia loading weights were employed, with 250 pound increments from 1,750 through 3,000 pounds and 500 pound increments from 3,000 through 5,500 pounds.

The rear dynamometer roll is equipped with a tachometer generator to provide a speed signal during the test.

A speed meter which indicates mi/hr was used to monitor the speed of the dynamometer roll. The meter response was linear with speed and accuracy to within ±2.0 km/hr (±1.2 mph) over the range of 0-95 km/hr (0-59 mph). The dynamometer was equipped with a device to measure actual distance traveled for each segment of the FTP testing sequence. However, the theoretical distance for each segment was used in bag calculations.

The power absorption unit was monitored by a power meter accurate and readable to ±0.25 hp (0.187 kw) over the range of intended use.

2.4.6 Driver's Aid

A driver's aid (speed vs time recorder) was employed to permanently record the driver's performance during the test. The traces were generated by the NOVA 2 computer on a two-pen HP 7130A recorder in agreement with the specifications of 40 FR 126.

2.4.7 Miscellaneous Equipment

Miscellaneous equipment used in conjunction with the major items of equipment included the following:

One Hewlett-Packard Model 7130A Driver's Aid.

Two Teco Model 100 NOx Generators. The generator in the raw gas analysis bench was not used since only NO is reported.

One Rustrak Chart Recording Psychrometer, Model 2133B with continuous recording of wet/dry bulb temperatures.

One Rustrak Chart Recorder for continuous recording of CVS temperature.

One Weathermeasure M701 continuous recording temperature recorder for soak area temperature. A Rustrak Model 2133B was also used for the same purpose during some periods.

One Princo Mercurial Barometer.

One Meriam 50 MC2-4SF Laminar Flow Element for CVS calibration.

One Sartorius Model 2257 Balance used for weighing the propane cylinders for propane recovery tests.

One Strobotach for dynamometer speed calibration.

One Chrysler Model III Garage Analyzer for raw HC and CO.

Horiba GSM and MEXA 300 garage analyzers were used for inspection and maintenance by the mechanic.

Various inspection and maintenance equipment was also used for the restorative maintenance functions.

2.5 EQUIPMENT QUALIFICATION, CALIBRATION AND CROSS CHECK

This section describes the qualification, calibration, and cross check procedures utilized by AESi and verified by EPA technical personnel to ensure that valid test data were generated throughout the test program. Initial qualification included complete demonstration of individual instrument calibration, stability, response time, modal transport time, zero air and nitrogen purity, CVS calibration, dynamometer calibration, and inspection of all daily, weekly and monthly logs.

Prior to the initial EPA inspection, AESi performed a qualification checkout of the laboratory which was defined in a multi-page EPA Emission Laboratory Evaluation Criteria Document. The completed document and all related data were submitted to the EPA Project Officer. After his review of the AESi qualification documentation, the Project Officer witnessed a verification of the qualification procedures prior to initiation of testing.

2.5.1 Constant Volume Sampler (CVS)

The CVS was calibrated with a laminar flow element using the basic procedures specified in the Federal Register. CVS air flow, measured using the laminar flow element on the inlet side of the mass pump (CVS blower), was controlled by throttling. Air flow rates were measured at five incremental changes in pump differential pressure on each side of the normal

operating point. Flow rates at a total of at least ten points were measured. The nominal air flow of the CVS is 345 CFM. Auxiliary devices employed in the calibration included a mercury barometer to measure absolute ambient pressure, a close tolerance mercury thermometer to measure pump inlet air temperature, a U-tube water manometer to measure pressure drop across the pump and pump inlet pressure and a close tolerance inclined water manometer to measure pressure drop across the laminar flow element. Once this calibration was completed, data from these devices were computer processed and the mid-range blower operating point was determined. Propane recovery tests using instrument grade propane were made after the calibration to confirm its accuracy. A copy of the calibration data was provided to the EPA Project Officer as a part of the qualification data package.

Daily propane recovery tests were made to confirm continued calibration of the CVS system. The measured propane mass recovered by the CVS had to be within $\pm$2.0 percent of the injected mass of up to 20 grams of instrument grade propane as determined gravimetrically. This amount was measured on the 0-300 ppmC FID range. A Rustrak chart recorder was used to continuously record CVS temperature during these tests.

A laminar flow element (Meriam Model 50 MC 2-4SF) was used for calibration of the CVS. Calibration of the laminar flow element (LFE) is traceable to the National Bureau of Standards, and a certified copy of the LFE calibration curve was furnished to the Project Officer at the time of laboratory qualification.

2.5.2 Emission Analysis Console

2.5.2.1 Dilute Exhaust Analysis Console

Complete calibrations of the mass emission analysis console instruments were performed initially and checked each week thereafter until testing was completed. Calibration curves for the emission analysis console CO, CO_2, HC and NOx instruments were established using the gases previously identified. The CO and CO_2 instruments were calibrated at seven somewhat evenly spaced points (zero and six upscale points) across each operating range. Calibration of the HC and NOx instruments were performed at three somewhat evenly spaced points (zero and two upscale points) across each operating range. Calibration of these instruments was established and maintained within one percent of full scale for each range, respectively, or five percent of the measured value, whichever was smaller. A computer program provided by the EPA was used in the generation of the calibration curves.

In connection with each test the CVS sample bags were purged with nitrogen, evacuated and leak-checked. These operations were performed in a bag evacuate, N_2 purge, evacuate and leak-check sequence by means of a manual push-button selection of solenoids located within the CVS. A leak in the system is indicated by a non-zero flow in the flow meters on the operator's console.

Other activities included setting zero and span points immediately prior to exhaust sample analysis and zero and span point verifications immediately following exhaust sample analysis. Strip chart recorders were operated throughout the zero and span set-point calibration certification sequence. Verification tolerances were maintained within ±1 deflection from the set-point for the range in use. Converter efficiency of the NOx converter was maintained above 90 percent. The noise level of analyzer outputs as indicated on the strip chart was maintained within ±0.5 percent of full scale for the range used during both calibration and analysis.

2.5.2.2 Raw Exhaust Analysis Console

The NOx instrument used in the tailpipe emission analysis console is a lab instrument calibrated using the same gases, calibration points, tolerances and verification frequency described above in connection with the NOx instrument used in the mass emission test console. Efficiency of the tailpipe NOx lab instrument thermal converter was not checked daily since NO was measured and reported, not NOx.

The tailpipe HC/CO measurement instruments were operated in accordance with the manufacturer's recommendations except that these instruments were zeroed on nitrogen and HC and CO span-point calibrated with appropriate gases immediately prior to each test.

2.5.2.3 Daily Qualification Checks

Daily qualification checks included:

Leak-check of each instrument as well as the system.

Recording of zero, gain and tune, as applicable, for each instrument.

Hang-up and leak-checks for background and sample bags and sample line.

NOx analyzer vacuum and converter efficiency checks.

Propane recovery tests to ensure proper FID operation as well as verification of the CVS calibration.

Recording of FID fuel and air pressure.

Recording of cylinder number, concentration, deflection, cylinder pressure for each working gas.

In addition to the above daily checks, weekly calibration curve

checks were made for each range of each instrument.

Appropriate calibrations, leak-checks, etc., were also made whenever maintenance was performed which could change instrument or system operation.

2.5.2.4 Data Acquisition System

The data acquisition system was verified by performing manual checks of equipment performance and hand calculations from strip chart data and comparing these with the data provided by the DACC. This activity is verified by a Quality Assurance inspection for each test. A reasonableness check is performed for each critical data element. Any suspect data was verified by strip chart or calculation. Any data found to be in error is independently recalculated wherever possible or the test is rejected.

2.5.3 ECE-50 Chassis Dynamometer

Dynamometer speed was verified initially and monthly with a Strobotach. Road load force was determined using calibrated weights. Initially and then bi-weekly thereafter, coastdowns were performed to verify the road load force versus inertia weight relationships as given in 40 FR 126.

2.5.4 Miscellaneous Equipment

All miscellaneous equipment was calibrated or verified according to manufacturer's recommended practices. The CVS laminar flow element and barometers were calibrated by Meriam Instruments Company.

2.6 TEST PROCEDURES

2.6.1 Vehicle Preparation

Each vehicle received a preliminary safety inspection as part of the procurement activity. This was done to ensure that the vehicle was safe to operate on the street. Upon acceptance for testing, the vehicle's fuel tank was drained and refueled with appropriate test fuel to 40% of tank capacity. To ensure that test fuel had purged the fuel system, the vehicle was driven for ten minutes on city streets or on the dynamometer for the first 505 seconds of the FTP. After the preconditioning run, the vehicle was driven or pushed into the soak area for the required 12 to 24 hour soak at temperatures between 68°F and 86°F. Drive wheel tire pressure was set to 45 psi.

2.6.1.1 Driveability Evaluation

An evaluation of the driveability of each vehicle was performed prior to each FTP. The evaluation is essentially the same as that performed on previous EPA light duty vehicle projects. Appendix F lists the items evaluated and the results for individual vehicles.

2.6.2 Equipment Preparation

Prior to the first test of the day and following any shut-down, equipment which had been idle or in a stand-by condition was activated to begin warm-up. This included the CVS water heater and mass pump and each of the analytical instruments. Following the warm-up of the respective instruments, efficiency of the NOx instrument thermal converter was checked and the propane recovery test which involved the CVS sample system and the FID hydrocarbon instrument was conducted. Subsequent to these checks, analyzer outputs, as indicated by the strip chart recorders and the DACC computer and printer, were checked for correlation by calibrating at zero and five volts. Shortly before the first vehicle test was to begin following the shut-down, the dynamometer was warmed-up. The prescribed 15 minutes of 30 mile per hour operation of the dynamometer was the warm-up procedure followed. Following warm-up, the speed calibration of the dynamometer, driver's aid recorder and associated indicating devices were also checked and calibrated as necessary.

Prior to each test, all charts were properly stamped to show, among other things, the vehicle number, run number, date and persons involved in the test.

2.6.3 Federal Exhaust Emission Test Procedure

The Federal Test Procedure as described in 40 FR 126 was performed on all vehicles in the as-received condition. The evaporative emission portion of the procedure was not part of this program. The exhaust emission portion of the Federal Test Procedure is comprised of cold transient, cold stabilized and hot transient phases. The cold transient portion is 505 seconds long, covering a distance of 3.59 miles and has an average speed of 25.6 mph. The cold stabilized portion is 867 seconds in length, 3.91 miles in distance and 16.2 mph in average speed. The hot transient portion is 505 seconds long. It is preceded by a 10 minute soak and covers a distance of 3.59 miles with an average speed of 25.6 mph.

The cold soak period used for these vehicles was 12 to 24 hours. Starting procedures and shift points were as recommended by each manufacturer.

2.6.4 Two-Speed Idle Test

This test followed the FTP and required additional laboratory instruments, aside from those required for the basic FTP test, to measure undiluted exhaust emissions.

The instruments used for measurement of undiluted HC, CO and NO emissions are specified in Section 2.4.

This short test consisted of volumetric sampling of undiluted exhaust emissions during two steady state operating conditions with the hood open and the cooling fan on. The first operating mode was 2500 engine RPM with the transmission in neutral. The second mode was normal idle with the transmission in neutral also.

Two-Speed Idle tests were preceded by a six minute soak period (three minutes with engine off and three with the engine idling). At the end of the soak period the vehicle was operated for a maximum of three minutes at 2500 RPM and then at idle speed. At each speed, equilibrium of engine speed and the CO, HC and NO analyzer output meters was maintained for 30 seconds before the readings were recorded. CO, HC and NO were measured and reported in % CO, ppm/Hexane and ppm NO respectively. RPM was written on the trace for both operating conditions.

2.6.5 Federal Three Mode Test

The test procedure was preceded by a six minute soak as described under the Two-Speed Idle test. The instruments used for measurement of undiluted HC, CO and NO emissions were the same as used for the Two-Speed Idle test.

This short test consisted of three steady state operating modes from which undiluted exhaust samples are taken. The dynamometer loads simulate the average power which occurs at the appropriate speed on the FTP, with all light duty vehicles being grouped into weight classes. At the end of the soak period the vehicle was operated for a maximum of three minutes at the mode-specified speed with the hood open and the cooling fan on. The inertia weight was set at 1750 lbs inertia. During this stabilization period the specified dynamometer load horsepower was set. The test was performed in the order of high cruise, low cruise, and idle. The idle mode was sampled in both drive (automatic transmissions only) and in neutral. At each speed, equilibrium of vehicle speed and the CO, HC and NO analyzer meters were maintained for 30 seconds before the readings were recorded. CO, HC and NO were measured and reported in % CO, ppm/Hexane and ppm NO respectively. Undiluted exhaust emissions were measured by the volumetric procedure for each mode. Since actual horsepower was used for this test, additional dynamometer coast-down calibrations at 25 and 52 mph were performed every two weeks. The test weight of the vehicle was determined by adding 400 lbs to the NADA shipping weight.

2.6.6 Clayton KEY MODE

This test was performed in a manner similar to the Federal Three Mode test. The inertia was set to zero pounds and, based on the NADA weights, the following testing classes were established:

1)	NADA Weight 2000-2800 lbs	High Cruise Low Cruise Idle	15 indicated hp at 38 mph 25 mph
2)	NADA Weight 2801-3800 lbs	High Cruise Low Cruise Idle	24 indicated hp at 46 mph 30 mph
3)	NADA Weight 3801-5500 lbs	High Cruise Low Cruise Idle	30 indicated hp at 50 mph 35 mph

For each vehicle, the driver recorded on the driver's trace the horsepower obtained in the low cruise mode and the measured idle RPM in neutral for manual transmission vehicles and in drive for automatic transmission vehicles.

2.6.7 After-Test Procedures

After completion of each test, the vehicle was taken to the inspection and maintenance area where the mechanic measured and recorded engine parameters including initial timing, idle speed, dwell, undiluted idle CO and undiluted idle HC. The procedures outlined in the owner's manual were followed in performing these diagnostics. Values were recorded on data cards. If the owner's manual was missing, the shop manual, or other available publications were used to determine specifications. In some cases, the vehicle manufacturer was called upon to aid in determining specifications.

Prior to returning the vehicle to the owner, tire pressure was set to manufacturer's specifications, and the fuel tank was filled to full capacity with fuel currently being marketed in the test area. This fuel was suitable for use in the particular vehicle.

2.6.8 Maladjustment and Disablement Inspection Procedure

Each vehicle was given an extensive inspection for maladjustments, disablements and defects by a qualified mechanic. Similarly, each vehicle was given an emission control component function check. The average time for completion of the inspection was 1.8 hours. Table 7 gives the average time in hours for these inspections. Comments regarding each inspection are included in Appendix C with the FTP data.

2.6.9 Restorative Maintenance Test Procedures

The first fifty 1975-1979 vehicles that failed the California FTP standards for the appropriate model year in test 1 were subject to a series of tests to enable the vehicle to pass the FTP. After the inspection, the mechanic corrected any significant maladjustments (except for idle RPM and idle CO) and disablements and the vehicle went to a test 2. If the vehicle still failed the FTP, the mechanic checked the idle RPM and idle CO. If either one was found to be out of specification, it was corrected and the vehicle subjected to a test 3. Failing the third test required the vehicle to receive a major tune-up as defined by the manufacturer.

Not all vehicles necessarily went through all 4 tests. Some went from a test 1 directly to a test 4 if timing, idle RPM, and idle CO were within specification and no other maladjustments or disablements existed. Appropriate comments were included for each step of the restorative maintenance sequence.

2.6.10 Daily Test Schedule Procedure

Test shifts were generally limited to the first and second shifts of the day. Vehicles scheduled for test the next day were usually preconditioned

on the second shift. A written clearance was necessary before preconditioning to ensure that any required inspections and maintenance had been completed. Daily calibration checks and system preparation (as described in Section 2.5) were performed prior to the first test of the day and tests were scheduled with this in mind.

2.6.11 Limiter Cap Inspection Procedure

A large quantity of non-restorative maintenance vehicles were subjected to a study of the effectiveness of commercial establishments in making proper adjustments to the idle mixture. The vehicles were taken to commercial facilities by various persons in the AESi organization (secretaries, lab personnel, engineers, technicians, etc.). The following procedure was employed.

2.6.11.1 Procedure Before Leaving AESi

Leader information on worksheets provided by EPA were filled out. Idle readings (ICO, IHC, IRPM) were recorded. Any evidence that the vehicle was in a testing program was removed from the vehicle (data packets, exhaust connectors, etc.). A repair facility was contacted to set up an appointment to have idle mixture and speed adjusted. If possible, it was done while the driver waited. No reference was made to any affiliation with an emission testing lab or that this was to be part of an EPA study.

2.6.11.2 Procedure At Repair Facility

The person simply asked that their idle mixture and speed be adjusted to manufacturer's specifications. If questioned why, it was stated that the person had been informed in some way (by a friend, magazine article, etc.) that this is a very important adjustment from a number of standpoints such as fuel economy and engine performance. If the mechanic insisted that other maintenance must be performed, it was stated at this time that the person wanted only the idle adjustments done to see what difference it made. If the mechanic said that he did not know how to set it to specifications, he was told to set it as best he could. Notes were made of any comments and actions made by the mechanic (but not in his presence), and any instruments used. Costs were recorded. Observations were recorded on the worksheets.

2.6.11.3 Procedure After Returning to AESi

ICO, IHC, and IRPM were measured and recorded as were the number of ¼ turns necessary to lightly seat the idle mixture screws. Idle parameters were adjusted to manufacturers' specifications and the location of the idle mixture screws relative to the lightly seated position was recorded. ICO, IHC, and IRPM were again measured and recorded. New limiter caps were installed in the center position. The vehicle was then returned to its owner.

2.6.11.4 Follow-Up Procedure

A vehicle follow-up inspection was performed approximately 30 days later. The presence and position of the limiter caps were checked at that time.

2.7 DATA HANDLING

2.7.1 Data Collection

Various forms were developed for the recording of significant test information. These data forms are supported by various strip charts and computer printouts from the AESi DACC. The forms were designed to enable direct keypunching in the formats defined by EPA.

The information included a thorough description of each vehicle and its test and inspection parameters, its driveability characteristics and its use characteristics.

2.7.2 Data Processing

Exhaust emission test results include ambient temperature, barometric pressure, humidity, and mass equivalent of HC, CO, CO_2, and NOx both as-measured and corrected for relative humidity. Idle emissions were recorded as ppm Hexane for hydrocarbons and % CO for carbon monoxide.

Fuel consumption, in miles per gallon, was calculated from bag data according to the carbon balance technique and reported for each vehicle. The carbon balance technique used was provided by the Project Officer.

All of the exhaust emissions data were calculated at the time of test by the AESi DACC. This computer was checked at least monthly using independent calculations from the analyzer strip charts to ensure its validity.

These results were reported on a weekly and a cumulative monthly basis using the keypunched cards prepared for submittal to EPA.

2.7.3 Quality Control

The quality assurance program applied to this project monitors every aspect of each emissions test. This includes operator and driver performance, the sampling system, ambient test conditions, analyzer performance, gases, fuel, dynamometer settings and all data processing. In addition, all other data submitted as part of this project received the inspection of the Quality Assurance section. Any discrepancies noted during the review process were resolved in an appropriate manner.

2.7.4 Calculation of Results

2.7.4.1 Federal Test Procedure

Test results were calculated based on the procedure presented in 40 FR 126. Theoretical distance was used in the grams per mile calculation for each test phase instead of actual distance. Fuel consumption was calculated using the carbon balance method and was reported in miles per gallon.

2.7.4.2 Two-Speed Idle Emissions

Emissions for the Two-Speed Idle tests performed with the vehicle on the dynamometer consisted of a five second analyze time after stabilization had occurred. The DACC collects ten readings per second and averages them and reports that value.

2.7.4.3 Federal Three Mode Emissions

All Federal Three Mode Emissions tests were performed with the vehicle on the dynamometer using the same computer procedure described for the Two-Speed Idle.

2.7.4.4 Clayton KEY MODE Emissions

All Clayton KEY MODE emission tests were performed with the vehicle on the dynamometer using a ten second analyze time with the intention of smoothing irregularities in raw NO and raw NOx sample concentrations.

SECTION 3

DISCUSSION OF TEST RESULTS

3.1 TEST FLEET DESCRIPTION

The test fleet is made up of a total of 250 vehicles. The final vehicle matrix by make and model year is shown in Table 1. The characteristics of these vehicles by inertia weight, engine displacement and number of engine cylinders is shown in Table 2.

The vehicle numbering system groups all model year vehicles by the leading digit of the vehicle number (e.g. 9007 would be a 1979 vehicle, 8005 would be a 1978 vehicle, etc.)

3.2 FEDERAL TEST PROCEDURE EMISSIONS AND FUEL CONSUMPTION

The FTP emissions and fuel consumption data are summarized in Table 3 (by model year). A listing of FTP emissions for each accepted test is found in Appendix C.

3.3 VEHICLES MEETING EXHAUST EMISSION STANDARDS

Table 4 presents the quantity and percent of 1975 and 1976 vehicles passing one or more of the California emissions standards for those model years. Table 5 presents the quantity and percent of 1977 to 1979 vehicles passing one or more of the California emissions standards for those model years.

3.4 TWO-SPEED IDLE EMISSIONS

The as-received Two-Speed Idle emissions data are also summarized in Table 3 and listed for individual vehicles in Appendix D. The listing in Appendix D is for all tests performed on each individual vehicle.

3.5 FEDERAL THREE MODE EMISSIONS

The as-received Federal Three Mode emissions data are summarized in Table 3. The test results for all Federal Three Mode tests performed on each individual vehicle are listed in Appendix E.

3.6 CLAYTON KEY MODE EMISSIONS

The as-received Clayton KEY MODE emissions data are summarized in

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Table 3. The new test results for all Clayton KEY MODE tests performed on each individual vehicle are listed in Appendix H.

3.7 BEFORE AND AFTER RESTORATIVE MAINTENANCE FTP EMISSIONS AND FUEL CONSUMPTION

A summary of the FTP emissions before and after each restorative maintenance step and the corresponding fuel economy results is presented in Table 6. The data were drawn from Appendix C. The table presents a comparison of the possible pairs of tests and shows percent changes in emission levels and fuel economy. Improvements are shown as positive numbers and degradation as negative numbers.

3.8 MALADJUSTMENT AND DISABLEMENT INSPECTION RESULTS

A summary of vehicle maladjustments is given in Table 7. This summary is extracted from the data on individual vehicles presented in Appendix G.

3.9 RESTORATIVE MAINTENANCE COSTS

The costs of parts utilized in the restoration of each vehicle to manufacturer's specifications and the labor to perform the restorative maintenance inspection and restoration are summarized in Table 8. A labor rate of $22 per hour was used. The average parts cost was $35.02 and the average labor cost was $52.05 for a total of $87.07 per vehicle for the fifty vehicles included in the restorative maintenance fleet.

3.10 EFFECTIVENESS OF COMMERCIAL ADJUSTMENTS

Thirty vehicles were taken to commercial facilities for adjustment of Idle CO and Idle RPM. The results of these adjustments are summarized in Table 9. The average cost for these adjustments was $16.76. Limiter caps were installed by the commercial facility on 4 of the 30 vehicles. The number of ¼ turns of the mixture adjustment screw was different from the lab setting by an average of 3 on the left screw and 3 on the right screw. Some settings were the same for the commercial facility and the lab setting. The maximum ¼ turns off were 14 on the left screw and 15 on the right screw.

3.11 LIMITER CAP INSPECTIONS

The follow-up limiter cap inspection was accomplished on 104 vehicles. Ninety-five were found to be unaltered. The settings were altered on three vehicles while the limiter caps had been removed from the other six vehicles.

LIST OF TABLES

Table 1:	Summary of Vehicle Makes
Table 2:	Summary of Test Vehicle Characteristics by Model Year
Table 3:	Summary of Exhaust Emission Test Results by Model Year
Table 4:	Vehicles Meeting California Standards, 1975-1976 Model Years
Table 5:	Vehicles Meeting California Standards, 1977-1979 Model Years
Table 6:	Summary of Exhaust Emission and Fuel Economy Results and Improvements at Successive Stages of Maintenance
Table 7:	Summary of Emission Component Inspection Information
Table 8:	Summary of Restorative Maintenance Costs by Manufacturer
Table 9:	Effectiveness of Commercial Adjustment

TABLE 1

SUMMARY OF VEHICLE MAKES

LOS ANGELES

MAKE	1975	1976	1977	1978	1979	TOTAL
BUIC	2	6	0	0	0	8
CADI	1	1	0	0	2	4
CHEV	6	4	5	0	6	21
OLDS	1	4	4	0	1	10
PONT	2	4	2	35	7	50
FORD	17	12	1	24	19	73
LINC	0	1	0	0	0	1
MERC	2	7	1	0	2	12
CHRY	0	0	1	0	0	1
DODG	0	0	0	0	1	1
PLYM	1	7	0	0	1	9
AMC	1	2	0	0	0	3
DATS	4	0	0	0	0	4
TOYO	4	2	0	0	0	6
VW	3	1	0	0	1	5
FIAT	2	0	0	0	0	2
HOND	6	5	1	0	0	12
VOLV	0	0	0	10	13	23
MBNZ	1	0	0	0	0	1
BMW	0	1	0	0	0	1
SAAB	0	0	0	3	0	3
TOTAL	53	57	15	72	53	250

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TABLE 2

SUMMARY OF TEST VEHICLE CHARACTERISTICS BY MODEL YEAR

LOS ANGELES

	1975	1976	1977	1978	1979	TOTAL
INERTIA WT (LBS)						
2000	4	3	0	1	0	8
2250	4	5	1	0	1	11
2500	4	1	0	0	1	6
2750	4	2	0	16	11	33
3000	15	9	0	46	14	84
3500	5	3	1	9	14	32
4000	4	13	5	0	7	29
4500	6	17	7	0	5	35
5000	4	2	1	0	0	7
5500	3	2	0	0	0	5
TOTAL	53	57	15	72	53	250
ENGINE DISPLACEMENT (CUBIC INCHES)						
UNDER 251	36	24	2	72	40	174
251 - 330	2	7	4	0	4	17
331 - 399	9	21	8	0	9	47
OVER 399	6	5	1	0	0	12
TOTAL	53	57	15	72	53	250
NUMBER OF ENGINE CYLINDERS						
4	27	16	1	63	30	137
6	9	9	1	9	10	38
8	17	32	13	0	13	75
ROTARY	0	0	0	0	0	0
TOTAL	53	57	15	72	53	250

TABLE 3

SUMMARY OF EXHAUST EMISSION TEST RESULTS BY MODEL YEAR
1975 FEDERAL TEST PROCEDURE - AS RECEIVED

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON

MODEL YEAR	NUMBER OF VEHICLES	AVERAGE MILEAGE	HC		CO		CO2		NOXC		FUEL ECON.	
			MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
1975	53.	63837.	2.24	1.77	32.36	30.81	564.10	159.81	2.16	1.27	14.27	4.07
1976	57.	61911.	1.90	1.49	27.52	29.78	604.58	175.83	2.79	1.59	13.57	4.69
1977	15.	60552.	1.23	1.52	14.91	20.61	633.56	113.58	2.08	.74	13.43	3.00
1978	72.	13867.	1.00	1.20	19.89	29.65	456.08	59.51	.93	.41	18.09	2.35
1979	53.	4457.	.50	.43	6.21	5.73	545.32	121.59	1.15	.60	15.94	3.38
TOTAL	250.	36221.	1.38	1.47	21.07	27.66	542.41	144.06	1.73	1.27	15.31	3.91

TABLE 3 (CONTINUED)

SUMMARY OF EXHAUST EMISSION TEST RESULTS BY MODEL YEAR
TWO SPEED IDLE TEST - AS RECEIVED

LOS ANGELES

MODEL YEAR	NUMBER OF VEHICLES	TEST PHASE	HC,PPMHEX MEAN	HC,PPMHEX S.D.	CO,PCT MEAN	CO,PCT S.D.	NO,PPM MEAN	NO,PPM S.D.
1975	53.	2500 RPM	50.3	103.6	.4	.8	135.9	85.9
		IDLE (N)	129.1	225.0	.7	1.4	47.8	25.7
1976	57.	2500 RPM	37.7	62.6	.4	1.4	209.6	170.4
		IDLE (N)	165.6	289.8	1.4	2.6	51.5	20.7
1977	15.	2500 RPM	18.4	36.7	.1	.3	176.5	71.2
		IDLE (N)	88.1	164.4	.3	.9	44.8	17.9
1978	72.	2500 RPM	22.4	43.1	.4	1.0	63.0	71.3
		IDLE (N)	56.7	106.6	.7	1.8	18.0	17.6
1979	53.	2500 RPM	9.6	24.6	.1	.5	50.4	36.1
		IDLE (N)	19.1	49.4	.1	.9	23.7	28.0
TOTAL	250.	2500 RPM	28.9	63.8	.3	1.0	116.0	118.8
		IDLE (N)	90.8	194.3	.7	1.8	34.8	26.8

TABLE 3 (CONTINUED)

SUMMARY OF EXHAUST EMISSION TEST RESULTS BY MODEL YEAR
FEDERAL 3-MODE TEST - AS RECEIVED

LOS ANGELES

MODEL YEAR	NUMBER OF VEHICLES	TEST PHASE	HC,PPMHEX MEAN	HC,PPMHEX S.D.	CO,PCT MEAN	CO,PCT S.D.	NO,PPM MEAN	NO,PPM S.D.
1975	53.	HI SPEED	41.3	56.9	.5	1.0	854.0	556.9
	53.	LO SPEED	49.5	51.5	.6	1.1	453.3	339.6
	31.	IDLE (D)	88.9	95.7	1.0	1.8	94.8	116.2
	53.	IDLE (N)	119.1	193.9	.8	1.5	52.1	36.0
1976	57.	HI SPEED	35.0	62.0	.4	1.3	1109.0	897.2
	57.	LO SPEED	42.3	64.3	.4	1.5	574.5	532.3
	45.	IDLE (D)	110.0	137.7	1.6	2.6	94.9	54.7
	57.	IDLE (N)	219.6	464.6	1.8	2.9	51.6	23.8
1977	15.	HI SPEED	28.9	60.7	.1	.3	653.0	395.3
	15.	LO SPEED	36.9	64.4	.1	.2	430.3	204.3
	14.	IDLE (D)	79.9	151.1	.5	1.4	111.6	146.1
	15.	IDLE (N)	95.4	183.6	.4	1.2	49.9	29.1
1978	72.	HI SPEED	37.7	66.9	.7	1.7	265.8	218.2
	72.	LO SPEED	39.6	77.9	.5	1.2	217.4	277.2
	34.	IDLE (D)	85.9	123.4	1.1	2.2	54.6	133.1
	72.	IDLE (N)	86.9	142.0	1.2	2.6	19.2	20.0
1979	53.	HI SPEED	12.8	38.9	.0	.1	338.3	209.0
	53.	LO SPEED	10.0	28.7	.1	.4	151.7	138.4
	28.	IDLE (D)	3.8	2.7	.0	.0	75.6	78.8
	53.	IDLE (N)	15.1	42.6	.2	.9	27.5	31.4
TOTAL	250.	HI SPEED	32.1	58.7	.4	1.2	621.4	630.0
	250.	LO SPEED	35.9	61.8	.4	1.1	347.7	379.1
	152.	IDLE (D)	77.9	118.3	1.0	2.0	83.8	103.5
	250.	IDLE (N)	109.3	263.2	1.0	2.2	37.2	31.3

TABLE 3 (CONTINUED)

SUMMARY OF EXHAUST EMISSION TEST RESULTS BY MODEL YEAR
KEY MODE TEST - AS RECEIVED

LOS ANGELES

NOTE: THE AS-RECEIVED TEST WAS NOT PERFORMED ON TWO KEY MODE VEHICLES (6189, 5204)

MODEL YEAR	NUMBER OF VEHICLES	TEST PHASE	HC,PPMHEX MEAN	HC,PPMHEX S.D.	CO,PCT MEAN	CO,PCT S.D.	NO,PPM MEAN	NO,PPM S.D.
1975	18.	HI SPEED	78.7	211.3	.5	.9	853.3	620.0
		LO SPEED	33.9	41.8	.2	.3	379.3	312.4
		IDLE	55.4	79.2	.5	1.0	79.9	56.2
1976	16.	HI SPEED	56.4	80.6	.9	1.9	962.7	739.3
		LO SPEED	65.7	109.9	1.3	2.8	382.9	369.1
		IDLE	188.2	231.2	3.3	4.2	74.1	51.0
1977	7.	HI SPEED	12.7	7.1	.0	.0	985.0	545.6
		LO SPEED	12.0	4.5	.0	.0	362.9	85.0
		IDLE	43.1	82.4	.1	.3	65.6	30.8
1978	5.	HI SPEED	104.0	126.3	1.9	2.4	94.0	86.7
		LO SPEED	100.6	130.0	1.7	2.1	72.4	74.8
		IDLE	554.6	932.8	2.5	3.7	5.2	2.4
1979	17.	HI SPEED	10.8	17.9	.0	.1	222.6	238.5
		LO SPEED	7.8	11.6	.1	.2	106.6	73.5
		IDLE	15.5	28.3	.2	.7	58.8	80.0
TOTAL	63.	HI SPEED	49.4	126.5	.5	1.3	665.3	637.4
		LO SPEED	37.8	73.3	.5	1.6	280.4	283.3
		IDLE	116.6	304.9	1.2	2.7	65.2	60.2

TABLE 4

VEHICLES MEETING CALIFORNIA STANDARDS

1975 - 1976 MODEL YEARS

LOS ANGELES

MODEL YEARS	NUMBER OF VEHICLES	AVERAGE MILEAGE	HC (0.9 GPM)		CO (9.0 GPM)		NOXC (2.0 GPM)		MEETING ALL THREE	
			NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.
1975	53.	63837.	10.	18.9	4.	7.5	30.	56.6	1.	1.9
1976	57.	61911.	13.	22.8	12.	21.1	23.	40.4	2.	3.5

TABLE 5

VEHICLES MEETING CALIFORNIA STANDARDS

1977 - 1979 MODEL YEARS

LOS ANGELES

MODEL YEARS	NUMBER OF VEHICLES	AVERAGE MILEAGE	HC (0.41 GPM)		CO (9.0 GPM)		NOXC (1.5 GPM)		MEETING ALL THREE	
			NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.
1977	15.	60552.	2.	13.3	7.	46.7	4.	26.7	1.	6.7
1978	72.	13867.	19.	26.4	38.	52.8	63.	87.5	16.	22.2
1979	53.	4457.	23.	43.4	40.	75.5	43.	81.1	18.	34.0

TABLE 6

SUMMARY OF EXHAUST EMISSION AND FUEL ECONOMY
RESULTS AND IMPROVEMENTS AT SUCCESSIVE STAGES OF MAINTENANCE
- FEDERAL TEST PROCEDURE -

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

TEST NO.	NUMBER OF VEHICLES	AVERAGE MILEAGE	HC MEAN	HC S.D.	CO MEAN	CO S.D.	CO2 MEAN	CO2 S.D.	NOXC MEAN	NOXC S.D.	AVERAGE FUEL ECON.
1	35.	60936.	1.83	1.16	27.78	25.34	596.12	194.75	2.64	1.52	13.75
2	35.	60969.	1.85	1.26	27.33	23.26	591.94	199.04	2.10	.94	13.85
PCT IMPR			-1.03		1.64		.70		20.56		.76
1	10.	52430.	1.42	.77	19.86	17.36	637.09	128.74	1.65	.52	13.19
3	10.	52458.	1.07	.64	12.47	8.31	646.54	159.07	1.82	.77	13.26
PCT IMPR			24.27		37.24		-1.48		-10.79		.49
1	5.	58005.	1.31	.92	11.73	3.59	598.07	156.09	1.96	.63	14.30
4	5.	58037.	.83	.14	8.86	3.34	601.67	169.05	2.06	.61	14.36
PCT IMPR			36.75		24.48		-.60		-5.44		.39
2	26.	62318.	1.97	1.35	30.64	23.99	618.45	200.53	2.00	.96	13.19
3	26.	62404.	1.79	1.15	21.60	18.97	613.08	190.49	2.04	.98	13.60
PCT IMPR			9.29		29.52		.87		-2.32		3.09
2	7.	62745.	1.78	.86	21.59	20.10	504.77	182.90	2.59	.87	16.30
4	7.	62778.	1.18	.67	12.82	8.33	506.77	185.21	2.49	.80	16.73
PCT IMPR			33.72		40.61		-.40		3.90		2.58
3	30.	61939.	1.78	1.08	21.77	17.49	625.05	181.45	2.08	.98	13.35
4	30.	61970.	1.53	.77	20.64	15.23	626.00	191.32	2.03	.99	13.38
PCT IMPR			13.91		5.19		-.15		2.26		.24

TABLE 7

SUMMARY OF EMISSION COMPONENT INSPECTION INFORMATION

BY MODEL YEAR

LOS ANGELES

EVALUATION CODES: 1=NO MALPERFORMANCE; 2=SOME MALPERFORMANCE; 3=NOT APPLICABLE

MODEL YEAR	NUMBER OF VEHICLES	SYSTEM EVALUATION																												AVERAGE MANHOURS
		INDUC			FUEL			CHOKE			IGN			EGR			AIR			PCV			EXH			EVAP			MISC		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
1975	53.	17	36	0	6	47	0	37	15	1	20	33	0	19	25	9	29	14	10	27	26	0	49	4	0	51	2	0	18	35	0	2.0
1976	57.	8	49	0	8	49	0	37	20	0	21	36	0	30	21	6	26	16	15	22	35	0	55	2	0	54	3	0	25	32	0	2.2
1977	15.	5	10	0	5	10	0	12	3	0	8	7	0	8	6	1	9	3	3	8	7	0	15	0	0	15	0	0	7	8	0	1.9
1978	72.	48	24	0	10	62	0	61	11	0	55	17	0	56	3	13	18	6	48	64	8	0	67	5	0	58	14	0	42	30	0	1.5
1979	53.	49	4	0	37	16	0	48	5	0	47	6	0	38	2	13	36	0	17	52	1	0	51	2	0	52	1	0	41	12	0	1.7

BY MODEL YEAR AND MAKE FOR VEHICLES WITH SOME MALPERFORMANCE

MODEL YEAR	MAKE	NUMBER OF VEHICLES	SYSTEM																								AVERAGE MANHOURS
			INDUC		FUEL		CHOKE		IGN		EGR		AIR		PCV		EXH		EVAP		MISC						
			NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT				
1975																											
	BUIC	2.	0.	0.0	1.	50.0	1.	50.0	1.	50.0	1.	50.0	0.	0.0	0.	0.0	1.	50.0	0.	0.0	1.	50.0					2.0
	CADI	1.	0.	0.0	1.	100.0	1.	100.0	1.	100.0	0.	0.0	1.	100.0	0.	0.0	0.	0.0	0.	0.0	1.	100.0					2.0
	CHEV	6.	4.	66.7	6.	100.0	4.	66.7	3.	50.0	4.	66.7	3.	50.0	3.	50.0	0.	0.0	0.	0.0	5.	83.3					2.2
	OLDS	1.	1.	100.0	1.	100.0	0.	0.0	1.	100.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0					1.5
	PONT	2.	1.	50.0	2.	100.0	1.	50.0	0.	0.0	2.	100.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	2.	100.0					1.5
	FORD	17.	13.	76.5	16.	94.1	7.	41.2	7.	41.2	10.	58.8	6.	35.3	12.	70.6	0.	0.0	1.	5.9	10.	58.8					1.9
	MERC	2.	2.	100.0	2.	100.0	0.	0.0	2.	100.0	1.	50.0	0.	0.0	2.	100.0	1.	50.0	0.	0.0	1.	50.0					1.7
	PLYM	1.	1.	100.0	1.	100.0	0.	0.0	1.	100.0	1.	100.0	0.	0.0	1.	100.0	0.	0.0	0.	0.0	1.	100.0					2.0
	AMC	1.	1.	100.0	1.	100.0	0.	0.0	1.	100.0	1.	100.0	1.	100.0	1.	100.0	0.	0.0	1.	100.0	1.	100.0					1.6
	DATS	4.	1.	25.0	4.	100.0	0.	0.0	3.	75.0	0.	0.0	1.	25.0	1.	25.0	0.	0.0	0.	0.0	3.	75.0					2.5
	TOYO	4.	3.	75.0	3.	75.0	0.	0.0	3.	75.0	1.	25.0	0.	0.0	0.	0.0	1.	25.0	0.	0.0	2.	50.0					1.9
	VW	3.	3.	100.0	2.	66.7	0.	0.0	2.	66.7	3.	100.0	1.	33.3	2.	66.7	1.	33.3	0.	0.0	2.	66.7					2.4
	FIAT	2.	2.	100.0	2.	100.0	1.	50.0	2.	100.0	1.	50.0	1.	50.0	0.	0.0	0.	0.0	0.	0.0	1.	50.0					3.0
	HOND	6.	3.	50.0	5.	83.3	0.	0.0	6.	100.0	0.	0.0	0.	0.0	4.	66.7	0.	0.0	0.	0.0	5.	83.3					1.8
	MBNZ	1.	1.	100.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0					2.2

TABLE 7 (CONTINUED)

SUMMARY OF EMISSION COMPONENT INSPECTION INFORMATION
BY MODEL YEAR AND MAKE FOR VEHICLES WITH SOME MALPERFORMANCE

MODEL YEAR	MAKE	NUMBER OF VEHICLES	SYSTEM																				AVERAGE MANHOURS
			INDUC		FUEL		CHOKE		IGN		EGR		AIR		PCV		EXH		EVAP		MISC		
			NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	NO.	PCT	
1976																							
	BUIC	6.	3.	50.0	4.	66.7	4.	66.7	1.	16.7	3.	50.0	0.	0.0	4.	66.7	1.	16.7	0.	0.0	5.	83.3	1.8
	CADI	1.	0.	0.0	0.	0.0	0.	0.0	1.	100.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	1.9
	CHEV	4.	4.	100.0	4.	100.0	1.	25.0	3.	75.0	2.	50.0	2.	50.0	2.	50.0	1.	25.0	0.	0.0	2.	50.0	2.3
	OLDS	4.	4.	100.0	4.	100.0	1.	25.0	4.	100.0	0.	0.0	0.	0.0	2.	50.0	0.	0.0	0.	0.0	3.	75.0	1.8
	PONT	4.	2.	50.0	4.	100.0	1.	25.0	0.	0.0	3.	75.0	2.	50.0	3.	75.0	0.	0.0	0.	0.0	2.	50.0	1.8
	FORD	12.	12.	100.0	11.	91.7	5.	41.7	9.	75.0	4.	33.3	6.	50.0	11.	91.7	0.	0.0	1.	8.3	8.	66.7	2.3
	LINC	1.	1.	100.0	1.	100.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	1.	100.0	0.	0.0	0.	0.0	1.	100.0	2.2
	MERC	7.	7.	100.0	7.	100.0	4.	57.1	4.	57.1	1.	14.3	2.	28.6	6.	85.7	0.	0.0	1.	14.3	3.	42.9	1.9
	PLYM	7.	7.	100.0	7.	100.0	1.	14.3	4.	57.1	5.	71.4	1.	14.3	4.	57.1	0.	0.0	1.	14.3	1.	14.3	2.5
	AMC	2.	1.	50.0	2.	100.0	2.	100.0	2.	100.0	2.	100.0	2.	100.0	2.	100.0	0.	0.0	0.	0.0	1.	50.0	2.7
	TOYO	2.	1.	50.0	2.	100.0	0.	0.0	1.	50.0	0.	0.0	1.	50.0	0.	0.0	0.	0.0	0.	0.0	1.	50.0	2.1
	VW	1.	1.	100.0	1.	100.0	0.	0.0	1.	100.0	1.	100.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	1.	100.0	2.0
	HOND	5.	5.	100.0	2.	40.0	1.	20.0	5.	100.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	3.	60.0	2.4
	BMW	1.	1.	100.0	0.	0.0	0.	0.0	1.	100.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	1.	100.0	3.0
1977																							
	CHEV	5.	4.	80.0	3.	60.0	0.	0.0	0.	0.0	2.	40.0	1.	20.0	3.	60.0	0.	0.0	0.	0.0	2.	40.0	1.6
	OLDS	4.	4.	100.0	4.	100.0	1.	25.0	2.	50.0	1.	25.0	0.	0.0	2.	50.0	0.	0.0	0.	0.0	3.	75.0	2.0
	PONT	2.	0.	0.0	1.	50.0	1.	50.0	2.	100.0	2.	100.0	1.	50.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	1.9
	FORD	1.	0.	0.0	0.	0.0	0.	0.0	1.	100.0	0.	0.0	0.	0.0	1.	100.0	0.	0.0	0.	0.0	0.	0.0	3.0
	MERC	1.	1.	100.0	1.	100.0	1.	100.0	1.	100.0	1.	100.0	0.	0.0	1.	100.0	0.	0.0	0.	0.0	1.	100.0	1.5
	CHRY	1.	1.	100.0	1.	100.0	0.	0.0	0.	0.0	0.	0.0	1.	100.0	0.	0.0	0.	0.0	0.	0.0	1.	100.0	1.8
	HOND	1.	0.	0.0	0.	0.0	0.	0.0	1.	100.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	1.	100.0	2.0
1978																							
	PONT	33.	13.	39.4	26.	78.8	8.	24.2	6.	18.2	3.	9.1	0.	0.0	3.	9.1	5.	15.2	13.	39.4	14.	42.4	1.4
	FORD	24.	10.	41.7	23.	95.8	3.	12.5	8.	33.3	0.	0.0	6.	25.0	5.	20.8	0.	0.0	0.	0.0	8.	33.3	1.5
	VOLV	10.	0.	0.0	10.	100.0	0.	0.0	2.	20.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	1.	10.0	6.	60.0	1.6
	SAAB	3.	1.	33.3	3.	100.0	0.	0.0	1.	33.3	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	2.	66.7	1.6
1979																							
	CADI	1.	0.	0.0	1.	100.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	2.0
	CHEV	4.	0.	0.0	1.	25.0	3.	75.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	2.4
	PONT	4.	0.	0.0	1.	25.0	0.	0.0	2.	50.0	0.	0.0	0.	0.0	1.	25.0	1.	25.0	0.	0.0	2.	50.0	1.5
	FORD	14.	2.	14.3	6.	42.9	2.	14.3	2.	14.3	1.	7.1	0.	0.0	0.	0.0	0.	0.0	0.	0.0	8.	57.1	1.4
	MERC	1.	1.	100.0	1.	100.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	1.9
	DODG	1.	1.	100.0	1.	100.0	0.	0.0	1.	100.0	1.	100.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	2.5
	PLYM	1.	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	1.	100.0	2.5
	VW	1.	0.	0.0	1.	100.0	0.	0.0	1.	100.0	0.	0.0	0.	0.0	0.	0.0	1.	100.0	0.	0.0	0.	0.0	2.5
	VOLV	5.	0.	0.0	4.	80.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	0.0	1.	20.0	1.	20.0	1.5

Table 8

SUMMARY OF RESTORATIVE MAINTENANCE COSTS
BY MANUFACTURER

MANUFACTURER	NO. VEH.	MALADJUSTMENT AND DISABLEMENT INSP. LABOR	MALADJUSTMENT AND DISABLEMENT PARTS COST	MAJOR TUNE-UP PARTS COST	TOTAL LABOR	TOTAL PARTS	TOTAL COST
GENERAL MTRS	14	46.51	3.00	23.96	46.51	26.96	73.47
FORD	18	51.33	10.18	24.61	51.33	34.79	86.12
CHRYSLER	8	55.55	15.16	30.21	55.55	45.37	100.92
AMC	1	52.80	74.11	33.53	52.80	107.64	160.44
HONDA	6	56.10	5.53	22.89	56.10	28.42	84.52
FIAT	1	88.00	10.95	29.10	88.00	40.05	128.05
VW	1	52.80	3.45	42.95	52.80	46.40	99.20
DATSUN	1	52.80	0.00	19.67	52.80	19.67	72.47
TOTALS	50	52.05	9.36	25.65	52.05	35.02	87.07

NOTE: LABOR COST BASED ON $22.00 PER HOUR. PARTS BASED ON RETAIL PARTS COST.

Table 9

EFFECTIVENESS OF COMMERCIAL ADJUSTMENT

FACILITY	QTY	BEFORE IHC	%ICO	IRPM	COST	CAPS INST	AFTER IHC	%ICO	IRPM	LAB SET IHC	%ICO	IRPM	¼ TURNS OFF LFT QTY	RT QTY
Gas Sta	13	265	2.32	644 (73)	16.44	3	193	1.71	617 (91)	103	0.49	706 (13)	5 13	5 6
Ind Gar	1	15	0.01	625 (75)	4.00	0	15	0.01	600 (50)	10	0.01	550 (0)	1 1	4 1
Dealer	16	243	1.76	606 (103)	17.82	1	147	1.53	621 (60)	48	0.22	669 (0)	2 16	2 11
Total	30	245	1.94	623 (89)	16.76	4	163	1.56	619 (73)	71	0.33	681 (6)	3 30	3 18

NOTE: ICO = Idle CO%
IHC = Idle HC ppm/Hexane
IRPM = Idle RPM (Number shown in parentheses is the difference from manufacturer specification.)
The average is derived using the absolute value to eliminate cancellation effects.
¼ Turns = Number of ¼ turns difference between commercial facility and lab set.
The average is derived using the absolute value to eliminate cancellation effects.

LIST OF APPENDICES

Appendix A:	Listing of Vehicle and Test Parameters
Appendix B:	Listing of Test Vehicle Use and Maintenance Data
Appendix C:	Listing of Federal Test Procedure Results on Individual Vehicles
Appendix D:	Listing of Two-Speed Idle Emissions Results on Individual Vehicles
Appendix E:	Listing of Federal Three Mode Emissions Results on Individual Vehicles
Appendix F:	Listing of Driveability Evaluations on Individual Vehicles
Appendix G:	Listing of Emission Component Inspection Information on Individual Vehicles
Appendix H:	Listing of KEY MODE Emissions on Individual Vehicles
Appendix I:	Listing of Restorative Maintenance Costs on Individual Vehicles
Appendix J:	Listing of Commercial Adjustment Results on Individual Vehicles

APPENDIX A - LISTING OF VEHICLE AND TEST PARAMETERS

Legend

VEH - Vehicle Number

RUN - Run Number

DATE - Date of Test (Month, day, year)

YR - Model Year

MAKE - Vehicle Make

MDL - Vehicle Model

C - Number of Cylinders and Rotors

CID - Engine Displacement in Cubic Inches

V - Number of Carburetor Venturis (0: fuel injection)

T - Type of Transmission (1: automatic; 2: semi-automatic; 3: 3-speed manual; 4: 4-speed manual; 5: 5-speed manual)

A - Air Conditioning: (1: Yes; 2: No)

FT - Fuel Tank Capacity in Gallons

CAT - Catalyst (1: Oxidation; 2: Three-way; 3: None)

IRPM - Idle RPM, Measured

IRPMS - Idle RPM, Manufacturer's Specification

IGN - Ignition Timing in Degrees, actual (+ indicates before top dead centers; - indicates after top dead center; 000 indicates top dead center)

IGNS - Ignition Timing in Degrees, Manufacturer's Specification (+ indicates before top dead center; - indicates after top dead center; 000 indicates top dead center)

INRT - Dynamometer Inertia Weight Setting

Preceding page blank

L - Was 10% RLHP added to simulate air conditioner (1: Yes; 2: No; 3: Manufacturer supplied)

DB - Dry Bulb Temperature (degrees Fahrenheit)

WB - Wet Bulb Temperature (degrees Fahrenheit)

BAROM - Barometric Pressure (inches Hg)

TEST - Test Number

APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

LOS ANGELES

VEH	RUN	DATE	YR	MAKE	MDL	C	CID	V	T	A	FT	CAT	IRPM	IRPMS	IGN	IGNS	INRT	RLHP	L	DB	VB	BAROM	TEST
5001	543	52279	75	DATS	280Z	6	168	0	4	1	14	3	650	800	5	10	3500	11.2	2	77	63	29.89	1
5002	545	52279	75	AMC	GREM	6	232	1	1	2	21	1	450	700	10	5	3000	10.3	2	78	64	29.78	1
8003	547	52279	78	PONT	SUNB	4	151	2	1	1	19	2	600	650	14	14	3000	9.5	3	77	64	29.75	1
9004	546	52279	79	MERC	CAPR	4	140	2	4	1	12	2	1025	900	2	2	3000	11.2	3	78	64	29.76	1
8005	333	32779	78	PONT	STAW	4	151	2	1	1	16	2	630	650	14	14	3000	9.5	3	72	64	29.75	1
8006	336	32779	78	PONT	SUNB	4	151	2	4	1	19	2	600	1000	14	14	3000	9.5	3	74	65	29.71	1
9007	268	3 179	79	CHEV	CAMA	8	350	4	1	1	21	1	625	600	8	8	4000	10.2	1	74	61	30.00	1
9008	319	32179	79	CHEV	STAW	8	350	4	1	1	22	1	740	500	8	8	4500	13.3	3	75	62	29.88	1
9009	331	32679	79	CHEV	CAPR	8	350	4	1	1	21	1	500	500	8	8	4000	13.3	3	77	62	29.76	1
8010	605	6 879	78	FORD	PINT	4	140	2	4	2	13	2	960	850	6	6	2750	9.9	3	80	65	29.71	1
9011	548	52279	79	VOLV	264G	6	163	0	1	1	16	1	850	900	10	10	3500	12.5	3	76	63	29.80	1
9012	416	41879	79	OLDS	DELT	8	350	2	1	1	21	1	500	500	20	20	4000	13.3	3	76	68	29.86	1
7013	562	52579	77	CHRY	CORD	8	360	4	1	2	26	1	750	750	5	6	4500	14.0	3	77	64	29.78	1
6014	544	22179	76	BUIC	SKYL	6	231	2	1	1	21	1	600	600	11	12	3500	12.3	1	77	63	29.82	1
8015	590	6 279	78	FORD	FIES	4	98	2	4	2	11	1	800	850	12	12	2000	5.4	3	75	58	29.74	1
5016	577	53079	75	HOND	STAW	4	91	3	4	2	11	3	1100	850	-2	0	2250	8.8	2	76	62	29.73	1
8017	552	52379	78	PONT	SUNB	4	151	2	4	1	19	2	1200	1000	14	14	3000	11.3	3	78	65	29.77	1
8018	517	51579	78	PONT	SUNB	4	151	2	4	2	19	2	675	1000	14	14	3000	9.5	3	76	63	29.79	1
6019	572	52979	76	OLDS	CUTL	8	260	2	1	1	22	1	590	550	14	18	4000	13.2	1	75	62	29.77	1
8020	565	52679	78	PONT	SUNB	4	151	2	1	1	19	2	650	650	20	14	3000	9.5	3	76	63	29.77	1
5021	571	52979	75	VOLK	RABB	4	90	2	4	1	12	1	900	950	-3	-3	2250	8.8	2	76	61	29.74	1
8022	515	51479	78	PONT	SUNB	4	151	2	1	1	19	2	650	650	14	14	3000	9.9	3	76	62	29.77	1
8023	563	52679	78	SAAB	99GL	4	121	0	4	2	15	2	1160	875	21	20	3000	11.3	3	75	62	29.77	1
8024	493	5 879	78	FORD	STAW	4	140	2	4	1	14	2	600	850	5	6	3000	10.3	3	78	60	29.64	1
9025	549	52379	79	FORD	PINT	4	140	2	4	2	12	2	875	850	6	6	2750	10.5	3	75	62	29.80	1
8026	510	51479	78	PONT	SUNB	4	151	2	4	2	19	2	1020	1000	14	14	3000	9.5	3	77	63	29.73	1
9027	153	11079	79	CHEV	CAMA	8	305	2	1	1	21	1	675	600	4	4	4000	10.4	3	77	68	30.12	1
9028	160	11179	79	CHEV	CAMA	8	305	2	1	1	21	1	625	600	12	4	4000	10.4	3	76	69	29.98	1
8029	568	52979	78	PONT	SUNB	4	151	2	1	1	19	2	650	650	14	14	3000	9.5	3	76	62	29.77	1
8030	560	52579	78	VOLV	264G	6	163	0	1	1	16	2	650	900	10	10	3500	12.3	3	75	62	29.73	1
8031	569	53079	78	PONT	SUNB	4	151	2	4	1	19	2	575	1000	14	14	3000	9.5	3	77	63	29.73	1
8032	501	51079	78	PONT	SUNB	4	151	2	4	1	19	2	950	1000	14	14	3000	9.5	3	76	59	29.91	1
8033	424	42079	78	PONT	SUNB	4	151	2	4	2	19	2	675	1000	14	14	3000	9.5	3	74	65	29.85	1
5034	566	52979	75	FORD	GRAN	8	351	2	1	1	19	1	650	650	8	6	4000	13.2	3	75	61	29.79	1
8035	535	51879	78	PONT	SUNB	4	151	2	4	1	19	2	1030	1000	14	14	3000	9.5	3	76	61	29.77	1
8036	578	53079	78	PONT	SUNB	4	151	2	1	1	19	2	625	650	14	14	3000	9.5	3	76	63	29.74	1
6037	652	62579	76	PONT	GRNP	8	350	4	1	1	25	1	590	600	15	16	4500	14.0	1	70	61	29.82	1
9038	207	2 579	79	FORD	THUN	8	351	2	1	1	21	1	575	600	14	14	4500	11.9	3	79	76	29.92	1
8039	570	52979	78	PONT	SUNB	4	151	2	1	1	19	2	625	650	15	14	3000	9.5	3	77	62	29.74	1
6040	574	53079	76	FORD	STAW	4	140	2	4	2	14	1	825	850	0	6	3000	10.3	2	77	62	29.78	1
8041	579	53079	78	PONT	SUNB	4	151	2	1	1	19	2	850	650	14	14	3000	9.5	3	77	62	29.75	1
8042	504	51179	78	FORD	PINT	4	140	2	4	2	13	2	800	850	6	6	2750	9.7	3	80	61	29.79	1
9043	300	31579	79	FORD	GRAN	8	302	2	1	1	18	1	590	600	12	12	4000	11.1	3	74	62	29.94	1
8044	567	52979	78	PONT	SUNB	4	151	2	1	1	19	2	575	650	12	14	3000	9.5	3	77	62	29.79	1
6045	592	6 479	76	FORD	GRAN	8	302	2	1	1	19	1	700	700	8	8	4000	13.2	1	75	62	29.74	1
8046	518	51579	78	FORD	STAW	4	140	2	4	2	13	2	800	850	4	6	3000	10.3	3	76	62	29.77	1

APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

LOS ANGELES

VEH	RUN	DATE	YR	MAKE	MDL	C	CID	V	T	A	FT	CAT	IRPM	IRPMS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM	TEST
8047	593	6 479	78	VOLV	242G	4	130	0	4	1	16	2	845	900	12	12	3000	11.3	3	76	62	29.73	1
6048	588	6 179	76	BUIC	REGA	8	350	4	1	1	26	1	560	600	12	12	4500	14.0	1	74	62	29.77	1
8049	530	51779	78	PONT	SUNB	4	151	2	1	2	19	2	725	650	14	14	3000	9.5	3	74	55	29.82	1
8050	523	51679	78	PONT	SUNB	4	151	2	4	2	19	2	925	1000	13	14	3000	10.6	3	76	61	29.77	1
9051	439	42579	79	FORD	STAW	4	140	2	4	1	14	2	925	850	6	6	3000	9.7	3	76	65	29.82	1
9052	451	42679	79	FORD	PINT	4	140	2	4	2	12	2	1000	850	6	6	2750	9.7	3	77	65	29.87	1
9053	459	42879	79	FORD	STAW	4	140	2	1	1	14	2	775	750	17	17	3000	9.7	3	75	67	29.79	1
9054	460	43079	79	FORD	PINT	4	140	2	4	2	12	2	900	850	6	6	2750	9.7	3	75	68	29.83	1
9055	461	43079	79	FORD	PINT	4	140	2	4	1	12	2	600	850	6	6	2750	9.7	3	76	67	29.85	1
9056	479	5 379	79	FORD	STAW	4	140	2	4	1	14	2	650	850	6	6	3000	9.7	3	74	66	29.92	1
9057	480	5 379	79	FORD	STAW	4	140	2	1	2	14	2	825	750	17	17	3000	9.7	2	75	67	29.89	1
9058	525	51679	79	FORD	PINT	4	140	2	4	2	12	2	900	850	6	6	2750	9.7	3	74	57	29.77	1
9059	524	51679	79	FORD	STAW	4	140	2	4	2	14	2	1025	850	3	6	3000	9.7	3	74	59	29.77	1
8060	521	51679	78	PONT	SUNB	4	151	2	4	2	19	1	650	1000	14	14	3000	11.3	3	72	60	29.78	1
8061	522	51679	78	PONT	SUNB	4	151	2	1	1	19	2	775	650	14	14	3000	9.5	3	77	62	29.80	1
9062	226	21079	79	DODG	MAGN	8	360	4	1	1	21	1	740	850	16	16	4500	9.5	3	77	65	29.91	1
9062	238	21579	79	DODG	MAGN	8	360	4	1	1	21	1	770	850	16	16	4500	9.5	3	72	59	30.07	2
7063	586	6 179	77	PONT	GRNP	8	350	4	1	1	25	1	525	550	19	20	4500	10.7	3	76	63	29.73	1
8064	600	6 779	78	FORD	PINT	4	140	2	4	1	13	2	780	850	3	6	2750	9.7	3	75	61	29.71	1
5065	551	52379	75	FORD	STAW	4	140	2	4	2	14	1	1050	900	6	6	3000	10.3	2	77	64	29.79	1
7066	587	6 179	77	MERC	MONA	8	302	2	1	1	19	1	525	650	6	2	4000	13.2	3	75	62	29.74	1
5067	591	6 479	75	FORD	PINT	4	140	2	1	2	13	1	750	750	9	10	3000	10.3	2	75	60	29.76	1
8068	596	6 779	78	FORD	PINT	4	140	2	1	2	13	2	820	750	16	17	2750	9.7	3	76	63	29.70	1
8069	509	51279	78	PONT	STAW	4	151	2	1	1	16	2	700	650	14	14	3000	9.5	3	83	66	29.78	1
7070	594	6 479	77	OLDS	STAW	8	403	4	1	1	22	1	625	550	16	20	5000	13.2	3	76	62	29.74	1
9071	585	6 179	79	CADI	SEVI	8	350	0	1	1	21	2	500	650	10	10	4500	12.5	3	76	63	29.74	1
9072	597	6 779	79	FORD	PINT	4	140	2	4	2	12	2	900	850	2	6	2750	10.5	3	76	62	29.72	1
9073	353	4 279	79	CHEV	NOVA	6	250	1	1	2	21	1	600	600	6	6	3500	12.2	1	75	62	29.85	1
8074	496	5 979	78	PONT	SUNB	4	151	2	1	1	19	2	625	650	14	14	3000	9.5	3	76	60	29.74	1
8075	604	6 879	78	FORD	PINT	4	140	2	1	2	13	2	930	850	6	6	2750	9.9	3	79	64	29.73	1
8076	330	32679	78	PONT	STAW	4	151	2	4	1	16	2	920	1000	14	14	3000	11.3	3	73	60	29.80	1
8077	599	6 779	78	FORD	STAW	4	140	2	1	2	14	2	790	750	15	17	3000	10.3	3	76	62	29.72	1
8078	603	6 879	78	FORD	PINT	4	140	2	4	2	13	2	840	750	15	17	2750	9.9	3	79	64	29.74	1
8079	311	31979	78	PONT	SUNB	4	151	2	4	1	19	2	1000	1000	14	14	3000	11.3	3	78	65	29.69	1
8080	607	6 879	78	FORD	PINT	4	140	2	4	2	13	2	950	850	9	6	2750	9.9	3	78	63	29.75	1
8081	305	31779	78	PONT	SUNB	4	151	2	4	2	19	2	1050	1000	12	14	3000	11.3	3	71	57	29.85	1
8082	608	61179	78	FORD	PINT	4	140	2	4	2	13	2	750	850	4	6	2750	9.7	3	78	62	29.74	1
8083	607	61179	78	FORD	PINT	4	140	2	4	2	13	2	1000	850	6	6	2750	9.9	3	76	60	29.75	1
8084	302	31579	78	PONT	SUNB	4	151	2	1	1	19	2	500	650	13	14	3000	9.5	3	73	61	29.87	1
8085	609	61279	78	FORD	STAW	4	140	2	4	2	14	2	950	850	6	6	3000	9.7	3	78	62	29.75	1
8086	290	31279	78	PONT	SUNB	4	151	2	1	2	19	2	650	650	15	14	3000	11.3	3	73	62	29.86	1
9087	497	5 979	79	VOLK	RABB	4	89	0	4	2	11	1	650	925	7	-3	2250	7.3	3	71	58	29.80	1
6088	647	62579	76	FORD	TORI	8	351	2	1	1	27	1	610	650	8	8	4500	14.0	1	73	61	29.85	1
8089	610	61279	78	FORD	PINT	4	140	2	1	2	13	2	775	750	20	17	2750	9.7	3	82	67	29.72	1
8090	281	3 979	78	PONT	SUNB	4	151	2	1	1	19	2	610	650	10	14	3000	9.5	3	74	63	30.00	1
8091	288	31279	78	PONT	SUNB	4	151	2	4	1	19	2	1000	1000	14	14	3000	11.3	3	75	63	29.77	1

APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

LOS ANGELES

VEH	RUN	DATE	YR	MAKE	MDL	C	CID	V	T	A	FT	CAT	IRPM	IRPMS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM	TEST
6092	623	61679	76	CHEV	CHET	4	98	1	1	1	13	1	810	850	8	10	2250	8.8	2	75	62	29.78	1
8093	624	61879	78	VOLV	264G	6	163	0	1	1	16	2	1200	900	10	10	3500	12.3	3	72	61	29.85	1
9094	488	5 779	79	PLYM	HORI	4	105	2	1	2	13	1	950	900	15	15	2500	6.5	3	77	62	29.73	1
8095	287	31279	78	PONT	SUNB	4	151	2	4	1	19	2	750	1000	14	14	3000	9.5	3	76	64	29.79	1
8096	617	61579	78	SAAB	99EM	4	121	0	4	1	15	2	950	875	21	20	3000	11.3	3	74	62	29.80	1
5097	626	61879	75	TOYO	STAW	4	97	2	5	2	13	1	920	850	10	10	2750	9.9	2	71	61	29.89	1
8098	620	61579	78	FORD	PINT	4	140	2	4	2	13	2	800	850	6	6	2750	9.7	3	75	63	29.75	1
8099	619	61579	78	FORD	PINT	4	140	2	4	2	13	2	750	850	6	6	2750	9.9	3	76	64	29.75	1
8100	606	6 879	78	FORD	STAW	4	140	2	1	2	14	2	675	750	12	17	3000	9.7	3	79	63	29.73	1
6101	621	61579	76	FORD	ELIT	8	400	2	1	1	27	1	675	625	5	10	4500	14.0	1	71	61	29.76	1
8102	625	61879	78	FORD	STAW	4	140	2	1	2	14	2	690	750	17	17	3000	9.7	3	70	59	29.87	1
8103	628	61979	78	VOLV	264G	6	163	0	1	1	16	2	775	900	10	10	3500	12.3	1	73	61	29.89	1
8104	627	61979	78	VOLV	264G	6	163	0	1	1	16	2	900	900	9	10	3500	12.3	1	72	60	29.90	1
9105	629	61879	79	FORD	PINT	4	140	2	4	2	12	2	1030	850	6	6	2750	10.5	3	75	62	29.85	1
8106	636	62179	78	VOLV	264G	6	163	0	1	1	16	2	790	900	11	10	3500	12.3	1	71	62	29.92	1
8107	653	62679	78	PONT	SUNB	4	151	2	4	2	19	2	750	1000	13	14	3000	9.5	3	70	60	29.85	1
8108	633	62079	78	FORD	PINT	4	140	2	4	2	13	2	1025	850	3	6	2750	9.9	3	74	63	29.88	1
8109	513	51479	78	VOLV	264	6	163	0	1	1	16	2	825	900	10	10	3500	12.3	1	78	64	29.69	1
9110	512	51479	79	VOLV	STAW	4	130	2	4	1	16	2	875	900	8	8	3500	12.8	3	78	64	29.71	1
9111	408	41779	79	VOLV	264G	6	163	0	4	1	16	2	650	900	10	10	3500	12.5	1	75	61	29.78	1
9112	441	42579	79	VOLV	STAW	4	130	2	4	1	16	2	700	900	8	8	3500	12.8	3	75	68	29.87	1
9113	438	42579	79	VOLV	242	4	131	0	4	1	16	2	775	900	8	8	3000	12.5	3	77	65	29.81	1
9114	458	42879	79	VOLV	244	4	130	0	1	1	16	2	1025	900	7	8	3000	12.5	3	76	67	29.82	1
9115	465	43079	79	VOLV	242	4	130	0	1	1	16	2	850	900	8	8	3000	12.5	3	75	69	29.78	1
9116	470	5 179	79	VOLV	STAW	4	130	0	1	1	16	2	850	900	6	8	3500	12.8	3	76	67	29.73	1
9117	471	5 179	79	VOLV	244	4	130	0	4	1	16	2	900	900	8	8	3000	12.5	3	73	66	29.73	1
9118	481	5 379	79	VOLV	244	4	130	0	1	2	16	2	775	900	8	8	3000	12.5	3	76	67	29.86	1
9119	483	5 479	79	VOLV	264G	6	163	0	1	1	16	2	850	900	10	10	3500	12.5	3	75	69	29.87	1
9120	485	5 779	79	VOLV	264	6	163	0	4	1	16	2	650	900	10	10	3500	12.5	3	76	60	29.78	1
9121	448	42679	79	FORD	PINT	4	140	2	4	1	12	2	860	850	6	6	2750	9.7	3	77	68	29.91	1
9122	477	5 379	79	FORD	MUST	4	140	2	4	2	12	1	850	850	6	6	2750	10.4	3	77	68	29.90	1
9123	506	51179	79	FORD	PINT	4	140	2	1	2	12	2	840	750	17	17	2750	10.5	3	77	61	29.86	1
8124	491	5 879	78	PONT	SUNB	4	151	2	1	1	19	2	650	650	14	14	3000	9.5	3	78	62	29.71	1
9125	531	51879	79	FORD	PINT	4	140	2	1	2	12	2	880	850	6	6	2750	10.5	3	75	59	29.83	1
9126	540	52179	79	FORD	STAW	4	140	2	4	2	14	2	875	850	6	6	3000	10.6	3	77	61	29.88	1
9126	556	52479	79	FORD	STAW	4	140	2	4	2	14	2	850	850	6	6	3000	10.6	3	74	63	29.76	3
8127	539	52179	78	FORD	PINT	4	140	2	1	2	13	2	500	750	17	17	2750	9.9	3	77	62	29.91	1
9128	541	52179	79	VOLV	STAW	4	130	0	1	2	16	1	875	900	8	8	3500	12.8	3	78	63	29.89	1
6129	649	62579	76	BUIC	REGA	8	350	4	1	1	22	1	620	600	11	12	4500	14.0	1	75	65	29.81	1
6130	651	62579	76	BUIC	SKYL	8	350	4	1	1	21	1	525	600	8	12	4000	13.2	1	74	63	29.79	1
9131	464	43079	79	PONT	SUNB	6	231	2	1	1	19	1	600	600	13	15	3500	9.9	3	76	69	29.79	1
9132	457	42879	79	PONT	SUNB	8	305	2	1	1	19	1	520	600	2	2	3500	9.9	3	75	67	29.84	1
9133	478	5 379	79	PONT	SUNB	6	231	2	4	1	19	1	800	800	20	15	3500	9.9	1	73	66	29.92	1
9134	484	5 479	79	PONT	SUNB	6	231	2	1	1	19	1	550	600	10	15	3500	9.9	3	75	65	29.86	1
9135	492	5 879	79	PONT	SUNB	6	231	2	4	2	19	1	890	800	15	15	3000	9.5	3	76	58	29.66	1
9136	538	52179	79	PONT	SUNB	4	151	2	4	1	19	2	930	1000	14	14	3000	9.9	3	76	62	29.93	1

APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

LOS ANGELES

VEH	RUN	DATE	YR	MAKE	MDL	C	CID	V	T	A	FT	CAT	IRPM	IRPMS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM	TEST
9137	526	51679	79	PONT	SUNB	6	231	2	1	1	19	1	675	600	14	15	3500	9.9	3	72	57	29.76	1
8138	534	51879	78	PONT	SUNB	4	151	2	4	1	19	2	950	1000	14	14	3000	11.3	3	76	61	29.77	1
8139	648	62579	78	PONT	SUNB	4	151	2	4	2	19	2	825	1000	12	14	3000	11.3	3	76	64	29.83	1
8140	630	61979	78	VOLV	262C	6	163	0	1	1	16	2	825	900	16	10	3500	12.3	1	75	62	29.84	1
9141	412	41779	79	MERC	MARQ	8	351	2	1	1	19	2	600	620	10	10	4000	12.0	3	77	65	29.79	1
8142	639	62179	78	SAAB	99GL	4	121	0	4	1	15	2	805	875	22	20	3000	11.3	3	77	64	29.85	1
8143	632	62079	78	FORD	PINT	4	140	2	1	2	13	2	725	750	18	17	2750	9.7	3	71	62	29.90	1
8144	601	6 879	78	FORD	STAW	4	140	2	4	2	14	2	875	850	6	6	3000	9.7	3	77	63	29.77	1
9145	638	62179	79	CADI	SEVI	8	350	2	1	1	21	2	525	600	10	10	4500	12.5	3	75	63	29.88	1
5146	641	62279	75	PONT	ASTR	4	140	2	4	2	16	1	1020	1200	10	10	3000	11.3	2	72	62	29.85	1
8147	644	62279	78	FORD	PINT	4	140	2	4	2	13	2	730	850	3	6	2750	9.7	3	76	65	29.78	1
8148	646	62279	78	VOLV	264G	6	163	0	1	1	16	2	875	900	10	10	3500	12.3	1	72	62	29.79	1
8149	645	62279	78	VOLV	264G	6	163	0	4	1	16	2	650	900	6	10	3500	12.3	1	75	64	29.76	1
5150	654	62679	75	OLDS	98	8	455	4	1	1	26	1	475	600	16	16	5000	14.7	1	71	61	29.84	1
6151	106	113078	76	CHEV	STAW	8	350	4	1	1	22	1	540	600	6	6	4500	12.7	2	78	70	29.98	1
6151	110	121178	76	CHEV	STAW	8	350	4	1	1	22	1	650	600	6	6	4500	12.7	2	83	60	29.98	2
6151	117	121578	76	CHEV	STAW	8	350	4	1	1	22	1	620	600	6	6	4500	12.7	2	76	61	30.01	3
6152	105	113078	76	FORD	MUST	6	171	2	1	1	19	1	650	800	8	6	3000	10.3	2	74	65	30.05	1
6152	122	122078	76	FORD	MUST	6	171	2	1	1	19	1	800	800	6	6	3000	10.3	2	76	61	30.24	4
6153	107	12 778	76	PLYM	VOLA	8	318	2	1	1	18	1	750	750	-3	0	4000	12.0	2	80	73	30.09	1
6153	113	121278	76	PLYM	VOLA	8	318	2	1	1	18	1	750	750	0	0	4000	12.0	2	79	61	30.03	2
6153	142	1 479	76	PLYM	VOLA	8	318	2	1	1	18	1	750	750	0	0	4000	12.0	2	77	64	29.96	3
6153	159	11179	76	PLYM	VOLA	8	318	2	1	1	18	1	750	750	0	0	4000	12.0	2	78	69	30.07	4
6154	115	121478	76	HOND	STAW	4	91	2	4	2	11	3	750	850	-6	0	2250	8.8	2	80	65	30.09	1
6154	133	1 279	76	HOND	STAW	4	91	2	4	2	11	3	850	850	0	0	2250	8.8	2	76	60	30.04	2
6154	161	11179	76	HOND	STAW	4	91	2	4	2	11	3	850	850	0	0	2250	8.8	2	77	70	29.94	3
6155	111	121178	76	FORD	PINT	4	140	2	1	1	14	1	790	750	18	20	3000	10.3	2	77	60	30.00	1
6155	123	122078	76	FORD	PINT	4	140	2	1	1	14	1	750	750	18	20	3000	10.3	2	76	60	30.17	3
6155	134	1 379	76	FORD	PINT	4	140	2	1	1	14	1	750	750	18	20	3000	10.3	2	73	60	30.00	4
7156	135	1 379	77	FORD	GRAN	8	302	2	1	1	19	1	650	600	12	12	3500	11.2	2	77	61	29.94	1
5157	126	122178	75	FIAT	X19	4	79	2	4	2	13	1	790	850	-10	0	2500	9.4	2	77	60	29.98	1
5157	154	11079	75	FIAT	X19	4	79	2	4	2	13	1	600	850	0	0	2500	9.4	2	74	67	30.09	2
5157	164	11579	75	FIAT	X19	4	79	2	4	2	13	1	850	850	0	0	2500	9.4	2	76	67	29.77	3
5157	178	12279	75	FIAT	X19	4	79	2	4	2	13	1	850	850	0	0	2500	9.4	2	77	62	29.90	4
6158	139	1 479	76	OLDS	CUTL	8	350	4	1	1	22	1	650	650	20	20	4000	12.0	2	75	61	29.95	1
6158	162	11179	76	OLDS	CUTL	8	350	4	1	1	22	1	650	650	20	20	4100	12.0	2	77	70	29.95	4
6159	145	1 579	76	FORD	ELIT	8	351	2	1	1	27	1	700	650	4	8	4500	12.7	2	75	67	29.76	1
6159	156	11079	76	FORD	ELIT	8	351	2	1	1	27	1	720	650	8	8	4500	12.7	2	77	68	30.07	2
6159	168	11779	76	FORD	ELIT	8	351	2	1	1	27	1	650	650	8	8	4500	12.7	2	76	62	29.75	3
6159	182	12379	76	FORD	ELIT	8	351	2	1	1	27	1	650	650	8	8	4500	12.7	2	74	61	29.78	4
6160	152	11079	76	PLYM	STAW	8	360	4	1	1	21	1	600	750	4	6	4500	12.7	2	75	66	30.17	1
6160	163	11179	76	PLYM	STAW	8	360	4	1	1	21	1	750	750	6	6	4500	12.7	2	74	68	29.95	2
6160	176	12079	76	PLYM	STAW	8	360	4	1	1	21	1	750	750	6	6	4500	12.7	2	75	58	30.09	4
5161	157	11079	75	FORD	STAW	8	400	2	1	1	21	1	625	675	12	10	5500	13.9	2	77	70	30.09	1
5161	171	11879	75	FORD	STAW	8	400	2	1	1	21	1	650	675	10	10	5500	13.9	2	77	61	29.91	2
5161	189	12779	75	FORD	STAW	8	400	2	1	1	21	1	675	675	10	10	5500	13.9	2	72	55	29.95	3
5161	199	13179	75	FORD	STAW	8	400	2	1	1	21	1	675	675	10	10	5500	13.9	2	76	63	29.81	4

APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

LOS ANGELES

VEH	RUN	DATE	YR	MAKE	MDL	C	CID	V	T	A	FT	CAT	IRPM	IRPMS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM	TEST
6162	166	11679	76	PLYM	VOLA	6	225	1	1	1	18	1	800	750	-4	2	3500	12.3	1	73	63	29.76	1
6162	177	12079	76	PLYM	VOLA	6	225	1	1	1	18	1	900	750	2	2	3500	12.3	1	77	57	30.02	2
6162	188	12479	76	PLYM	VOLA	6	225	1	1	1	18	1	750	750	2	2	3500	12.3	1	69	55	30.02	3
6162	198	13179	76	PLYM	VOLA	6	225	1	1	1	18	1	750	750	2	2	3500	12.3	1	73	61	29.80	4
6163	169	11779	76	MERC	STAW	8	460	4	1	1	21	1	720	650	14	14	5000	14.7	1	76	62	29.74	1
6163	190	12779	76	MERC	STAW	8	460	4	1	1	21	1	650	650	14	14	5000	14.7	1	74	58	29.91	2
6163	195	13079	76	MERC	STAW	8	460	4	1	1	21	1	650	650	14	14	5000	14.7	1	73	58	30.01	3
6164	172	11879	76	AMC	GREM	6	232	1	3	2	21	1	750	850	11	8	3000	10.3	2	74	60	29.92	1
6164	191	12779	76	AMC	GREM	6	232	1	3	2	21	1	725	850	8	8	3000	10.3	2	74	57	29.90	2
6164	204	2 179	76	AMC	GREM	6	232	1	3	2	21	1	850	850	8	8	3000	10.3	2	76	60	29.86	3
6164	196	13079	76	AMC	GREM	6	232	1	3	2	21	1	850	850	8	8	3000	10.3	2	74	63	29.93	4
6165	173	11879	76	PLYM	ARRO	4	98	2	1	2	12	3	1150	850	8	0	2500	9.4	2	76	63	29.87	1
6165	194	12979	76	PLYM	ARRO	4	98	2	1	2	12	3	1000	850	0	0	2500	9.4	2	75	59	29.96	2
6165	201	13179	76	PLYM	ARRO	4	98	2	1	2	12	3	850	850	0	0	2500	9.4	2	74	62	29.72	3
6165	230	21379	76	PLYM	ARRO	4	98	2	1	2	12	3	850	850	0	0	2500	9.4	2	74	61	30.08	4
5166	180	12279	75	BUIC	SKYH	6	231	2	1	1	19	1	590	650	4	12	3500	12.3	1	74	61	29.90	1
5166	193	12979	75	BUIC	SKYH	6	231	2	1	1	19	1	620	650	12	12	3500	12.3	1	75	59	29.95	2
5166	200	13179	75	BUIC	SKYH	6	231	2	1	1	19	1	650	650	12	12	3500	12.3	1	76	61	29.71	3
5166	215	2 679	75	BUIC	SKYH	6	231	2	1	1	19	1	650	650	12	12	3500	12.3	1	74	64	30.01	4
7167	192	12979	77	HOND	ACCO	4	97	3	5	1	13	3	840	800	2	2	2250	8.8	2	75	60	29.94	1
7167	213	2 679	77	HOND	ACCO	4	97	3	5	1	13	3	800	800	2	2	2250	8.8	2	76	64	29.99	4
5168	203	13179	75	FORD	MUST	6	171	2	1	1	13	1	700	700	8	8	3000	10.3	2	75	62	29.77	1
5168	211	2 679	75	FORD	MUST	6	171	2	1	1	13	1	700	700	8	8	3000	10.3	2	78	73	30.07	3
5168	220	2 879	75	FORD	MUST	6	171	2	1	1	13	1	700	700	8	8	3000	10.3	2	72	64	30.11	4
6169	217	2 779	76	PONT	VENT	8	350	4	1	1	21	1	410	600	12	12	4000	13.2	1	76	64	29.99	1
6169	228	21279	76	PONT	VENT	8	350	4	1	1	21	1	590	600	12	12	4000	13.2	1	75	62	29.96	2
6169	249	22179	76	PONT	VENT	8	350	4	1	1	21	1	600	600	12	12	4000	13.2	1	73	62	30.02	4
6170	206	2 579	76	PLYM	STAW	8	318	2	1	1	18	1	600	750	0	0	4000	13.2	1	77	73	29.95	1
6170	223	2 879	76	PLYM	STAW	8	318	2	1	1	18	1	750	750	0	0	4000	13.2	1	76	66	30.03	3
6170	225	21079	76	PLYM	STAW	8	318	2	1	1	18	1	750	750	0	0	4000	13.2	1	77	65	29.96	4
6171	205	2 579	76	CHEV	MONT	8	350	4	1	1	22	1	640	600	12	6	4500	14.0	1	77	58	30.01	1
6171	214	2 679	76	CHEV	MONT	8	350	4	1	1	22	1	625	600	6	6	4500	14.0	1	77	65	29.99	2
6171	221	2 879	76	CHEV	MONT	8	350	4	1	1	22	1	600	600	6	6	4500	14.0	1	75	67	30.06	3
6171	231	21379	76	CHEV	MONT	8	350	4	1	1	22	1	600	600	6	6	4500	14.0	1	73	61	30.07	4
6172	222	2 879	76	PLYM	FURY	8	318	2	1	1	26	1	700	750	2	2	4000	13.2	1	76	71	30.01	1
6172	233	21479	76	PLYM	FURY	8	318	2	1	1	26	1	750	750	2	2	4000	13.2	1	73	62	30.06	3
6172	241	21779	76	PLYM	FURY	8	318	2	1	1	26	1	750	750	2	2	4000	13.2	1	70	60	30.07	4
6173	212	2 679	76	MERC	COME	6	250	1	1	1	19	1	620	600	8	8	4000	12.0	2	76	74	30.06	1
6173	237	21579	76	MERC	COME	6	250	1	1	1	19	1	610	600	8	8	4000	12.0	2	74	61	30.07	2
6173	242	21779	76	MERC	COME	6	250	1	1	1	19	1	600	600	8	8	4000	12.0	2	71	61	30.07	3
6174	218	2 779	76	FORD	GRAN	6	250	1	1	1	19	1	500	600	10	10	3500	11.2	2	75	70	29.98	1
6175	229	21279	76	BUIC	REGA	8	350	4	1	1	22	1	525	600	12	12	4500	14.0	1	74	64	29.95	1
6175	248	22179	76	BUIC	REGA	8	350	4	1	1	22	1	600	600	12	12	4500	14.0	1	72	59	29.99	4
5176	232	21379	75	FORD	PINT	4	140	2	1	2	14	1	725	750	12	6	3000	10.3	2	78	62	30.09	1
5176	239	21579	75	FORD	PINT	4	140	2	1	2	14	1	550	750	6	6	3000	10.3	2	73	60	29.90	2
5176	253	22279	75	FORD	PINT	4	140	2	1	2	14	1	750	750	6	6	3000	10.3	2	74	60	30.01	3
5176	277	3 879	75	FORD	PINT	4	140	2	1	2	14	1	750	750	6	6	3000	10.3	2	70	64	30.04	4

APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

LOS ANGELES

VEH	RUN	DATE	YR	MAKE	MDL	C	CID	V	T	A	FT	CAT	IRPM	IRPMS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM	TEST
6177	236	21479	76	PONT	VENT	6	250	2	1	1	21	1	575	600	10	10	4000	13.2	1	72	60	30.07	1
5178	235	21479	75	BUIC	SKYH	6	231	2	1	1	19	1	590	650	12	12	3500	11.2	1	73	61	30.07	1
5178	251	22179	75	BUIC	SKYH	6	231	2	1	1	19	1	600	650	12	12	3500	11.2	1	72	61	29.99	2
5178	257	22479	75	BUIC	SKYH	6	231	2	1	1	19	1	650	650	12	12	3500	11.2	1	74	63	30.01	3
5178	265	22879	75	BUIC	SKYH	6	231	2	1	1	19	1	650	650	12	12	3500	11.2	1	75	64	30.01	4
5179	264	22779	75	VOLK	RABB	4	89	2	4	2	12	1	1050	925	5	-3	2250	8.8	2	73	62	30.00	1
5179	278	3 879	75	VOLK	RABB	4	89	2	4	2	12	1	910	925	-3	-3	2250	8.8	2	78	63	30.01	2
5179	284	31079	75	VOLK	RABB	4	89	2	4	2	12	1	925	925	-3	-3	2250	8.8	2	74	63	30.00	3
5179	315	32179	75	VOLK	RABB	4	89	2	4	2	12	1	925	925	-3	-3	2250	8.8	2	75	60	29.83	4
6180	244	22079	76	PONT	LEMA	8	350	4	1	2	21	1	610	600	14	16	4000	13.2	1	73	61	29.88	1
6180	258	22679	76	PONT	LEMA	8	350	4	1	2	21	1	600	600	16	16	4000	13.2	1	73	61	29.99	4
6181	296	31479	76	AMC	GREM	6	258	1	1	1	21	1	450	700	-4	8	3000	11.3	1	79	65	30.08	1
5182	260	22679	75	HOND	STAW	4	91	2	4	2	11	3	925	850	-20	0	2250	8.8	2	75	65	30.01	1
5182	312	32079	75	HOND	STAW	4	91	2	4	2	11	3	1200	850	0	0	2250	8.8	2	75	61	29.66	2
5182	326	32479	75	HOND	STAW	4	91	2	4	2	11	3	850	850	0	0	2250	8.8	2	75	61	30.00	3
5182	342	32879	75	HOND	STAW	4	91	2	4	2	11	3	850	850	0	0	2250	8.8	2	77	63	29.74	4
6183	291	31379	76	PLYM	VOLA	8	318	2	1	1	18	1	1125	750	0	0	4000	13.2	1	78	66	29.99	1
6183	298	31479	76	PLYM	VOLA	8	318	2	1	1	18	1	725	750	0	0	4000	13.2	1	75	62	30.02	2
6183	308	31979	76	PLYM	VOLA	8	318	2	1	1	18	1	750	750	0	0	4000	13.2	1	78	62	29.68	3
6183	318	32179	76	PLYM	VOLA	8	318	2	1	1	18	1	750	750	0	0	4000	13.2	1	74	60	29.85	4
6184	266	22879	76	TOYO	CORO	4	134	2	1	1	16	1	775	850	10	8	3000	11.3	1	76	65	30.03	1
6185	269	3 179	76	MERC	MONA	8	351	2	1	1	19	1	615	650	2	10	4000	13.2	1	74	60	30.01	1
6185	285	31079	76	MERC	MONA	8	351	2	1	1	19	1	640	650	10	10	4000	13.2	1	75	63	29.98	2
6185	297	31479	76	MERC	MONA	8	351	2	1	1	19	1	650	650	10	10	4000	13.2	1	75	63	30.04	3
6185	313	32079	76	MERC	MONA	8	351	2	1	1	19	1	650	650	10	10	4000	13.2	1	72	59	29.66	4
6186	283	31079	76	HOND	CVCC	4	91	2	4	1	11	3	900	850	2	2	2000	8.3	2	74	61	30.02	1
6186	293	31379	76	HOND	CVCC	4	91	2	4	1	11	3	900	850	2	2	2000	8.3	2	74	62	29.97	2
6186	316	32179	76	HOND	CVCC	4	91	2	4	1	11	3	850	850	2	2	2000	8.3	2	72	58	29.84	4
6187	295	31379	76	FORD	PINT	4	140	2	1	1	13	1	925	750	18	20	3000	10.3	2	72	62	30.04	1
6187	303	31579	76	FORD	PINT	4	140	2	1	1	13	1	750	750	18	20	3000	10.3	2	73	60	29.86	3
6187	324	32379	76	FORD	PINT	4	140	2	1	1	13	1	750	750	20	20	3000	10.3	2	74	59	30.00	4
5188	306	31979	75	FORD	TORI	8	351	2	1	1	27	1	575	700	8	8	4500	14.0	1	75	60	29.70	1
5188	325	32379	75	FORD	TORI	8	351	2	1	1	27	1	575	700	8	8	4500	14.0	1	74	60	30.01	2
5188	329	32679	75	FORD	TORI	8	351	2	1	1	27	1	700	700	8	8	4500	14.0	1	73	60	29.86	3
5188	340	32879	75	FORD	TORI	8	351	2	1	1	27	1	700	700	8	8	4500	14.0	1	75	63	29.73	4
6189	314	32079	76	CHEV	CHET	4	97	1	4	2	13	1	1000	1000	8	8	2250	8.8	2	76	65	29.69	1
6189	322	32279	76	CHEV	CHET	4	97	1	4	2	13	1	1000	1000	8	8	2250	8.8	2	76	64	29.96	2
7190	310	31979	77	CHEV	CAMA	6	250	2	1	1	21	1	600	600	8	8	4000	9.8	3	75	62	29.70	1
7190	323	32279	77	CHEV	CAMA	6	250	2	1	1	21	1	600	600	8	8	4000	9.8	3	75	65	29.96	2
7190	332	32679	77	CHEV	CAMA	6	250	2	1	1	21	1	600	600	8	8	4000	9.8	3	74	61	29.75	4
6191	364	4 479	76	HOND	CVCC	4	91	2	5	1	11	3	600	850	-2	2	2000	8.3	2	76	58	29.87	1
6192	532	51879	76	FORD	LTD	8	400	4	1	1	21	1	600	650	14	16	4500	14.0	1	77	61	29.84	1
7193	335	32779	77	PONT	VENT	8	350	4	1	1	21	1	550	550	18	18	4000	10.6	3	75	65	29.72	1
5194	344	32979	75	FORD	TORI	8	351	2	1	1	27	1	630	700	8	8	4500	14.0	1	77	62	29.95	1
5194	354	4 279	75	FORD	TORI	8	351	2	1	1	27	1	630	700	8	8	4500	14.0	1	77	59	29.81	2
5194	361	4 379	75	FORD	TORI	8	351	2	1	1	27	1	700	700	8	8	4500	14.0	1	75	57	29.94	3
5194	370	4 579	75	FORD	TORI	8	351	2	1	1	27	1	700	700	8	8	4500	14.0	1	74	61	29.76	4

APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

LOS ANGELES

VEH	RUN	DATE	YR	MAKE	MDL	C	CID	V	T	A	FT	CAT	IRPM	IRPMS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM	TEST
6195	351	33179	76	BMW	2002	4	121	2	4	1	13	3	850	900	5	25	2750	9.9	2	77	62	29.89	1
5196	349	33179	75	HOND	CVCC	4	91	2	4	2	11	3	925	850	8	0	2000	8.3	2	75	61	30.02	1
5196	358	4 379	75	HOND	CVCC	4	91	2	4	2	11	3	840	850	0	0	2000	8.3	2	78	64	29.92	2
5196	371	4 579	75	HOND	CVCC	4	91	2	4	2	11	3	850	850	0	0	2000	8.3	2	72	62	29.77	4
5197	348	33079	75	HOND	CVCC	4	91	2	5	1	11	3	975	850	0	0	2000	8.3	2	72	62	29.99	1
5198	352	4 279	75	HOND	CVCC	4	76	2	4	2	11	3	800	800	-3	7	2000	8.3	2	74	62	29.89	1
5198	357	4 379	75	HOND	CVCC	4	76	2	4	2	11	3	950	800	7	7	2000	8.3	2	77	64	29.95	2
5198	365	4 479	75	HOND	CVCC	4	76	2	4	2	11	3	800	800	7	7	2000	8.3	2	75	58	29.87	3
5198	388	41079	75	HOND	CVCC	4	76	2	4	2	11	3	800	800	7	7	2000	8.3	2	73	62	29.72	4
6199	362	4 379	76	TOYO	CORO	4	97	2	4	2	13	1	800	850	14	10	2750	9.9	2	75	58	29.95	1
6200	359	4 379	76	VOLK	RABB	4	97	2	4	1	12	1	650	925	-3	-3	2250	8.8	2	77	61	29.89	1
5201	360	4 379	75	MERC	MONA	8	302	2	1	1	19	1	650	700	2	0	4000	13.2	1	77	59	29.89	1
5201	373	4 679	75	MERC	MONA	8	302	2	1	1	19	1	650	700	2	0	4000	13.2	1	75	62	29.85	2
5201	383	4 979	75	MERC	MONA	8	302	2	1	1	19	1	700	700	2	0	4000	13.2	1	72	60	29.67	3
5201	390	41179	75	MERC	MONA	8	302	2	1	1	19	1	700	700	0	0	4000	13.2	1	75	65	29.79	4
5202	366	4 479	75	DATS	280Z	6	168	0	4	1	17	1	710	800	10	10	3000	10.3	2	76	59	29.88	1
5203	369	4 579	75	TOYO	CELI	4	134	2	5	1	13	1	750	850	8	8	2750	10.9	1	74	61	29.77	1
5204	367	4 479	75	CHEV	MONZ	4	140	2	1	1	19	1	725	750	12	12	3000	11.3	1	72	57	29.91	1
5204	377	4 779	75	CHEV	MONZ	4	140	2	1	1	19	1	725	750	12	12	3000	11.3	1	72	59	29.86	2
5204	389	41079	75	CHEV	MONZ	4	140	2	1	1	19	1	750	750	12	12	3000	11.3	1	72	60	29.72	3
5204	405	41679	75	CHEV	MONZ	4	140	2	1	1	19	1	750	750	12	12	3000	11.3	1	71	63	29.79	4
6205	374	4 679	76	FORD	PINT	4	140	2	4	1	14	1	775	850	10	4	3000	10.3	2	74	62	29.87	1
6205	382	4 979	76	FORD	PINT	4	140	2	4	1	14	1	780	850	4	4	3000	10.3	2	73	61	29.67	2
6205	395	41179	76	FORD	PINT	4	140	2	4	1	14	1	850	850	4	4	3000	10.3	2	76	65	29.70	4
5206	372	4 679	75	DATS	B210	4	85	2	4	1	12	1	800	700	2	10	2500	9.4	2	74	62	29.85	1
5206	381	4 979	75	DATS	B210	4	85	2	4	1	12	1	1000	700	10	10	2500	9.4	2	73	61	29.70	2
5206	391	41179	75	DATS	B210	4	85	2	4	1	12	1	700	700	10	10	2500	9.4	2	74	65	29.77	4
6207	376	4 779	76	OLDS	CUTL	8	350	4	1	1	22	1	600	600	19	20	4500	14.0	1	71	59	29.88	1
6207	384	41079	76	OLDS	CUTL	8	350	4	1	1	22	1	600	600	19	20	4500	14.0	1	76	55	29.70	3
7208	378	4 979	77	CHEV	STAW	8	350	4	1	1	23	1	500	500	8	8	4500	12.0	1	73	63	29.81	1
7208	385	41079	77	CHEV	STAW	8	350	4	1	1	23	1	500	500	8	8	4500	12.0	1	77	56	29.69	3
7208	411	41779	77	CHEV	STAW	8	350	4	1	1	23	1	500	500	8	8	4500	12.0	1	72	61	29.79	4
5209	387	41079	75	DATS	STAW	4	119	2	4	1	13	1	830	750	12	12	3000	10.3	2	75	62	29.68	1
6210	380	4 979	76	MERC	COUG	8	351	2	1	1	27	1	550	650	0	8	4500	14.0	1	73	62	29.73	1
6210	402	41279	76	MERC	COUG	8	351	2	1	1	27	1	650	650	8	8	4500	14.0	1	75	64	29.81	2
6210	413	41879	76	MERC	COUG	8	351	2	1	1	27	1	650	650	8	8	4500	14.0	1	75	66	29.88	3
6210	421	42079	76	MERC	COUG	8	351	2	1	1	27	1	650	650	8	8	4500	14.0	1	77	68	29.93	4
7211	393	41179	77	OLDS	CUTL	8	350	4	1	1	22	1	590	550	19	20	4500	10.8	3	76	61	29.72	1
7212	386	41079	77	OLDS	CUTL	8	350	4	1	1	22	1	550	550	18	20	4500	10.8	3	75	56	29.67	1
7212	401	41279	77	OLDS	CUTL	8	350	4	1	1	22	1	550	550	18	20	4500	10.8	3	77	65	29.78	3
7212	419	41879	77	OLDS	CUTL	8	350	4	1	1	22	1	550	550	20	20	4500	10.8	3	74	68	29.91	4
7213	400	41279	77	OLDS	CUTL	8	350	4	1	1	22	1	440	550	8	20	4500	10.8	3	77	66	29.81	1
5214	398	41279	75	FORD	LTD	8	460	4	1	1	24	1	530	650	14	14	5000	14.7	1	75	65	29.84	1
5214	417	41879	75	FORD	LTD	8	460	4	1	1	24	1	650	650	14	14	5000	14.7	1	77	70	29.87	3
5214	429	42379	75	FORD	LTD	8	460	4	1	1	24	1	650	650	14	14	5000	14.7	1	75	64	29.83	4

APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

LOS ANGELES

VEH	RUN	DATE	YR	MAKE	MDL	C	CID	V	T	A	FT	CAT	IRPM	IRPMS	IGN	IGNS	INRT	RLHP	L	DB	WB	BAROM	TEST
6215	397	41279	76	MERC	COUG	8	351	2	1	1	26	1	650	650	2	8	4500	14.0	1	73	64	29.83	1
6215	404	41379	76	MERC	COUG	8	351	2	1	1	26	1	700	650	8	8	4500	14.0	1	74	66	29.74	2
6215	418	41879	76	MERC	COUG	8	351	2	1	1	26	1	650	650	8	8	4500	14.0	1	75	69	29.89	3
6215	428	42379	76	MERC	COUG	8	351	2	1	1	26	1	650	650	8	8	4500	14.0	1	76	64	29.88	4
6216	396	41179	76	FORD	MUST	6	171	2	4	1	19	1	875	850	7	8	3000	10.3	2	76	65	29.72	1
6217	399	41279	76	CADI	DEVI	8	500	4	1	1	28	1	590	600	3	6	5500	15.3	1	73	65	29.83	1
5218	406	41679	75	CHEV	CAPR	8	400	4	1	1	26	1	600	650	20	8	5000	14.7	1	72	62	29.79	1
5219	410	41779	75	FORD	PINT	4	140	2	4	2	13	1	750	900	6	6	3000	10.3	2	75	62	29.76	1
5220	407	41779	75	FORD	ELIT	8	351	2	1	1	27	1	550	600	6	6	4500	14.0	1	76	64	29.81	1
5221	426	42379	75	FORD	PINT	4	140	2	4	2	14	1	900	900	12	6	3000	10.3	2	75	65	29.87	1
6222	430	42379	76	MERC	STAW	8	351	2	1	1	21	1	425	650	-3	12	5000	14.7	1	76	68	29.83	1
5223	414	41879	75	CHEV	STAW	8	350	4	1	1	22	1	600	600	19	6	5500	15.3	1	71	65	29.89	1
7224	435	42479	77	CHEV	CAMA	8	305	2	1	1	21	1	300	500	8	8	4000	9.8	3	74	65	29.86	1
5225	432	42379	75	CHEV	MONZ	4	140	2	1	1	19	1	720	750	12	12	3000	11.3	1	74	64	29.86	1
6226	456	42779	76	HOND	STAW	4	91	3	2	1	11	3	800	750	0	0	2250	8.8	2	73	67	29.92	1
6227	435	42479	76	LINC	CONT	8	460	4	1	1	24	1	400	650	14	14	5500	15.3	1	75	66	29.85	1
5228	435	42479	75	PONT	GRNV	8	400	4	1	1	26	1	525	600	12	12	5000	14.7	1	74	68	29.82	1
5229	440	42579	75	FORD	PINT	6	171	2	1	2	13	1	625	700	9	8	3000	10.3	2	76	66	29.80	1
6230	442	42679	76	BUIC	REGA	8	350	4	1	1	22	1	480	600	12	12	4500	14.0	3	77	67	29.92	1
5231	456	42879	75	CADI	COUP	8	500	4	1	1	28	1	490	600	3	6	5500	15.3	1	74	65	29.88	1
5232	467	5 179	75	FORD	PINT	4	140	2	1	1	14	1	725	750	8	10	3000	10.3	2	75	67	29.77	1
6233	462	43079	76	HOND	CVCC	4	91	3	4	2	11	3	900	850	5	2	2000	8.3	2	76	68	29.82	1
5234	468	5 179	75	FORD	GRAN	6	250	2	1	1	19	1	650	600	10	10	3500	11.2	2	73	67	29.76	1
5235	466	5 179	75	CHEV	CAMA	8	350	4	1	1	21	1	510	600	5	6	4000	13.2	1	75	67	29.77	1
5236	473	5 279	75	HOND	CVCC	4	91	2	4	2	11	3	1400	850	16	2	2000	8.3	2	74	66	29.79	1
5237	472	5 279	75	CHEV	MONT	8	350	4	1	1	22	1	550	600	6	6	4500	14.0	1	76	68	29.75	1
5238	474	5 279	75	MBNZ	450S	8	276	0	1	1	25	1	630	700	0	0	4000	13.2	1	75	68	29.78	1
6239	475	5 279	76	OLDS	STAW	8	350	4	1	1	22	1	650	600	20	20	4500	14.0	1	76	67	29.78	1
5240	482	5 379	75	TOYO	CORO	4	97	2	4	1	13	1	700	850	10	10	2500	9.4	2	71	66	29.92	1
5241	486	5 779	75	TOYO	CELI	4	134	2	5	2	13	1	650	850	-8	8	2750	9.9	2	77	61	29.77	1
5242	519	51579	75	FORD	PINT	4	140	2	1	2	13	1	700	750	8	10	3000	10.3	3	77	63	29.75	1
5243	487	5 779	75	PLYM	GRNF	8	360	4	1	1	27	1	700	750	20	6	4500	14.0	1	75	60	29.75	1
5244	503	51179	75	VOLK	DASH	4	90	2	1	2	12	1	975	925	15	-3	2500	9.4	2	79	59	29.81	1
7245	500	51079	77	CHEV	MONT	8	350	4	1	1	22	1	450	500	8	8	4500	10.7	3	75	57	29.88	1
5246	508	51279	75	FORD	RANC	8	351	2	1	1	27	1	550	700	10	10	4500	14.0	1	79	63	29.81	1
6247	505	51179	76	MERC	COUG	8	351	2	1	1	27	1	600	650	10	8	4500	14.0	1	78	59	29.81	1
5248	516	51579	75	FIAT	131S	4	107	2	4	1	12	1	850	850	2	0	2750	9.9	2	75	61	29.79	1
7249	550	52379	77	CHEV	CAMA	8	305	2	1	1	21	1	500	500	5	6	4000	13.2	3	77	64	29.81	1
5250	536	51879	75	MERC	MONA	6	250	1	1	2	19	1	460	600	-2	6	3500	11.2	2	76	60	29.80	1

APPENDIX B - LISTING OF TEST VEHICLE USE AND MAINTENANCE DATA

Legend

VEH - Vehicle Number

YR - Model Year

MAKE - Vehicle Make

MODL - Vehicle Model

VIN - Vehicle Identification Number

ODOM - True Mileage

N - Purchased New or Used (1: New; 2: Used)

Y - Yearly Vehicle Miles Traveled (1: 0-5,000; 2: 5,001-10,000; 3: 10,000-15,000; 4: 15,001-20,000; 5: 20,001-30,000; 6: over 30,000)

C - Major City Street Driving (1: all; 2: most; 3: some; 4: little/none)

E - Rural Expressway Driving (1: all; 2: most; 3: some; 4: little/none)

S - Rural Road Driving (1: all; 2: most; 3: some; 4: little/none)

W - Driving To and From Work (1: all; 2: most; 3: some; 4: little/none)

G - Shopping (1: all; 2: most; 3: some; 4: little/none)

B - Business Not To and From Work (1: all; 2: most; 3: some; 4: little/none)

V - Social, Vacation, etc. (1: all; 2: most; 3: some; 4: little/none)

TD - Number of Trips Made on a Typical Day (one Trip is Defined as Starting the Engine, Traveling Some Distance and Stopping the Engine)

W - Number of Wide Open Throttle Accelerations Used Per Week (1: Seldom; 2: Once or twice; 3: 3-6 times; 4: Everyday)

H - Hard Starting (1: Yes; 2: No)

ST - Stalling (1: Yes; 2: No)

R - Rough Idle (1: Yes; 2: No)

M - Engine Misfiring (1: Yes; 2: No)

A - Poor Acceleration (1: Yes; 2: No)

SB - Stumbling (1: Yes; 2: No)

DS - Dieseling (1: Yes; 2: No)

LO - Date of Last Oil Change (1: Too New; 2: Due but not done; 3: 0-6 mos; 4: 6-12 mos; 5: Over 1 year; 6: Don't Know)

LT - Last Tune Up (1: Too New; 2: Due but not done; 3: 0-6 mos; 4: 6-12 mos; 5: Over 1 year; 6: Don't Know)

MAR - Vehicle Maintained Manufacturer's Recommended Specifications (1: Yes; 2: No; 3: Not Sure; 4: Don't Know)

NW - Number of Warranty Repairs (1: No Warranty; 2: Never Returned; 3: Once; 4: Twice; 5: 3 or more; 6: Don't Know)

PB - Was Vehicle Returned for Performance Problems (1: Yes; 2: No Problems)

UL - Unleaded Fuel Required (1: Yes; 2: No)

L - Number of Times Leaded Fuel Was Used (1: Not Required; 2: Never; 3: Seldom; 4: Ocassionally; 5: Frequently; 6: Don't Know)

H2S - Have you or others noticed a Hydrogen Sulfide (rotten eggs) odor in this vehicle's exhaust? (1: Never; 2: Seldom; 3: Occasionally; 4: Frequently; 5: Don't Know)

U - Vehicle Operated 50% of the time on unpaved roads, in competitive events, or in hauling or transporting loads heavier than for which it was designed (1: Yes; 2: No; 3: Don't Know)

D - Has vehicle ever had major damage to: a) Cooling system; b) Engine; c) Fuel Tank; d) Exhaust System; e) No Damage; f) Don't know (1: Yes; 2: No)

MD - Altered Engine and/or exhaust components (1: Yes; 2: No)

APPENDIX B

LISTING OF TEST VEHICLE USE AND MAINTENANCE DATA

LOS ANGELES

VEH	YR	MAKE	MODEL	VIN	ODOM	N	Y	C	E	S	W	G	B	V	TD	W	H	ST	R	M	A	SB	DS	LO	LT	MAR	NW	PB	UL	L	H2S	U	D	MD
5001	75	DATS	280Z	GHLS30031626	54184	1	3	3	3	3	3	3	4	2	2	1	2	2	2	2	2	2	2	3	3	1	2	2	1	2	1	2	222212	2
5002	75	AMC	GREM	A5A465E180139	55990	2	3	2	4	4	3	4	1	4	4	1	2	2	2	2	2	2	2	3	3	1	1	1	1	2	1	2	222212	2
8003	78	PONT	SUNB	2M0718U540502	11404	1	3	3	4	4	3	3	1	4	10	1	2	2	2	2	2	2	2	3	1	1	5	1	1	2	1	2	222212	2
9004	79	MERC	CAPR	9R14W623393	666	1	4	1	4	4	3	4	1	4	12	4	2	2	2	2	2	2	2	1	1	1	2	2	1	2	1	2	222212	2
8005	78	PONT	STAW	2M1518U579382	4452	1	3	3	4	4	4	4	1	4	5	3	2	1	2	2	1	1	2	3	1	1	4	1	1	2	1	2	222212	2
8006	78	PONT	SUNB	2E2718U571010	5793	1	3	3	4	4	1	4	3	4	2	3	2	2	1	2	2	2	2	3	1	1	3	2	1	2	1	2	222212	2
9007	79	CHEV	CAMA	1Q87L9L527381	2146	1	2	3	4	4	3	3	3	3	4	3	2	2	2	2	2	2	2	1	1	1	2	2	1	2	1	2	222212	2
9008	79	CHEV	STAW	1L35L9L144681	1679	1	5	3	4	4	1	4	4	4	4	3	2	2	2	2	2	2	2	1	1	1	3	2	1	2	1	2	222212	2
9009	79	CHEV	CAPR	1N69L9C111225	1913	1	2	2	4	4	4	4	1	4	4	3	2	2	2	2	2	2	2	1	1	1	2	2	1	2	1	2	222212	2
8010	78	FORD	PINT	8R10Y129332	22104	1	3	3	4	4	2	3	4	3	4	1	2	2	2	2	2	2	2	3	4	1	5	2	1	2	1	2	222212	2
9011	79	VOLV	264G	26465M1068529	4690	1	4	3	4	4	1	4	4	3	4	1	2	2	2	2	2	2	2	3	1	1	2	2	1	2	1	2	222212	2
9012	79	OLDS	DELT	3N37R9X121689	5448	1	3	2	4	4	3	3	3	4	4	1	2	2	2	2	2	2	2	1	1	1	2	2	1	2	1	2	222212	2
7013	77	CHRY	CORD	SS22JR7R10234	51401	2	5	3	4	4	3	4	4	1	2	2	2	2	2	2	2	2	2	3	3	1	3	2	1	2	1	2	212222	2
6014	76	BUIC	SKYL	4B69C6L113773	92516	2	4	3	4	4	3	3	4	2	2	4	2	2	2	2	2	2	2	3	4	1	1	2	1	2	1	2	222212	2
8015	78	FORD	FIES	GCFBTB54941	50345	2	6	3	4	4	2	4	4	2	4	4	2	2	2	2	2	2	2	3	3	1	3	2	1	2	2	2	222212	2
5016	75	HOND	STAW	WBA1002299	52160	1	3	3	4	4	1	3	4	4	4	2	2	2	2	2	2	2	2	3	3	1	2	2	2	1	1	2	222112	2
8017	78	PONT	SUNB	2E2718U575973	12656	1	3	3	4	4	2	3	4	3	6	1	2	2	2	2	2	2	1	3	1	1	5	2	1	2	4	2	222122	2
8018	78	PONT	SUNB	2E2718U562493	8968	1	3	2	4	4	4	2	3	3	4	4	1	1	2	2	2	2	1	3	3	1	5	2	1	2	4	2	222212	2
6019	76	OLDS	CUTL	3H57F6R209497	65338	1	3	3	4	4	1	4	4	3	2	1	2	2	2	2	2	2	2	3	3	1	3	2	1	2	1	2	222212	2
8020	78	PONT	SUNB	2E2718U550568	12594	1	3	2	4	4	4	3	2	3	6	2	2	2	1	2	2	2	2	3	1	1	5	2	1	2	4	2	222212	2
5021	75	VOLK	RABB	1753316827	81831	1	4	3	4	4	1	3	4	4	2	4	2	2	1	2	2	1	2	3	3	1	5	1	1	2	1	2	122122	2
8022	78	PONT	SUNB	2M0718U528861	3303	1	2	1	4	4	1	3	4	4	2	1	2	2	2	2	2	2	2	3	1	1	5	2	1	2	3	2	222212	2
8023	78	SAAB	99GL	99781007009	25608	1	5	3	4	4	2	3	4	4	4	1	2	2	2	2	2	2	2	3	3	1	3	1	1	2	1	2	222212	2
8024	78	FORD	STAW	8R12Y115701	17737	1	3	1	4	4	4	2	4	2	6	2	2	2	2	2	2	2	1	3	3	1	4	2	1	2	3	2	222212	2
9025	79	FORD	PINT	9T10Y180689	5215	1	3	1	4	4	2	4	4	2	4	1	2	2	1	2	2	2	2	3	1	1	2	2	1	2	1	2	222212	2
8026	78	PONT	SUNB	2M27I8U562438	6770	1	3	2	4	4	3	3	4	2	8	2	2	2	2	2	2	2	1	3	1	3	3	2	1	2	1	2	222212	2
9027	79	CHEV	CAMA	1Q87G9L531703	1782	1	5	3	3	4	3	3	3	3	4	2	2	2	2	2	2	2	2	1	1	3	2	2	1	2	2	2	222212	2
9028	79	CHEV	CAMA	1Q87G9L532881	1284	1	5	3	3	4	3	3	3	3	4	2	2	2	2	2	2	2	2	1	1	1	2	2	1	2	2	2	222212	2
8029	78	PONT	SUNB	2M0718U532	15983	1	4	3	4	4	3	3	3	3	4	1	2	2	1	2	1	2	1	3	2	1	3	2	1	2	1	2	222122	2
8030	78	VOLV	264G	26465L1054176	6831	1	2	2	4	4	4	1	4	3	2	1	2	2	2	2	2	2	2	3	1	1	4	2	1	2	1	2	222212	2
8031	78	PONT	SUNB	2M0718U573849	8438	1	3	3	4	4	2	3	4	3	4	1	2	2	2	2	1	2	2	3	3	1	4	2	1	2	1	2	222212	2
8032	78	PONT	SUNB	2M0718U537987	10108	1	3	2	4	4	2	3	4	3	4	1	2	2	2	2	1	2	1	4	1	1	3	2	1	2	1	2	222212	2
8033	78	PONT	SUNB	2E2718U571075	11445	1	3	3	4	4	2	3	4	4	2	3	2	2	2	2	1	2	3	2	3	3	3	2	1	2	1	2	222212	2
5034	75	FORD	GRAN	5W83HI53269	52572	2	1	3	4	4	1	4	4	3	3	1	2	2	2	2	2	2	2	3	3	1	2	2	1	2	1	2	222212	2
8035	78	PONT	SUNB	2M2718U578805	9552	1	3	2	4	4	1	3	4	4	2	1	2	2	2	2	2	2	2	3	1	1	3	2	1	2	3	2	222212	2
8036	78	PONT	SUNB	2M07I8U572246	8126	1	2	4	4	4	4	2	3	3	2	1	2	2	2	2	1	2	2	3	2	1	3	2	1	2	1	2	222212	2
6037	76	PONT	GRNP	2J57P6P229516	61989	2	3	2	4	4	1	4	4	3	2	1	2	2	2	2	2	2	2	3	3	1	1	2	1	2	1	2	222212	2
9038	79	FORD	THUN	9J87H118960	1452	1	5	3	3	4	3	3	3	3	4	2	2	2	2	2	2	2	2	1	1	1	2	2	1	2	2	2	222212	2
8039	78	PONT	SUNB	2M27I8U539829	17567	1	4	3	4	4	2	3	4	3	4	2	2	2	1	2	2	2	2	3	2	1	3	2	1	2	4	2	222212	2
6040	76	FORD	STAW	6X12Y232500	53588	1	4	3	4	4	2	3	4	3	4	1	2	2	1	2	1	1	2	3	3	1	5	2	1	2	2	2	222212	2
8041	78	PONT	SUNB	2E2718U583612	13079	1	4	3	4	4	1	4	4	4	4	1	2	2	2	2	2	2	2	3	3	1	4	1	1	2	1	2	221122	2
8042	78	FORD	PINT	8R10Y113736	12872	1	3	2	4	4	2	3	4	4	3	1	1	2	2	2	2	2	2	3	5	3	4	2	1	2	1	2	222212	2
9043	79	FORD	GRAN	9W81F105239	7809	1	4	4	4	4	3	4	1	4	8	4	2	2	2	2	2	2	2	6	2	3	2	2	1	2	1	2	222212	2
8044	78	PONT	SUNB	2M2718U518304	14697	1	3	1	4	4	4	3	4	1	8	2	2	2	2	2	2	1	1	3	4	1	5	2	1	2	3	2	222122	2
6045	76	FORD	GRAN	6W83F151486	58183	2	5	2	4	4	4	1	4	3	2	1	2	2	2	2	2	2	2	3	3	1	3	2	1	2	1	2	222212	2

APPENDIX B

LISTING OF TEST VEHICLE USE AND MAINTENANCE DATA

LOS ANGELES

VEH	YR	MAKE	MODEL	VIN	ODOM	N	Y	C	E	S	W	G	B	V	TD	W	H	ST	R	M	A	SB	DS	LO	LT	MAR	NW	PB	UL	L	H2S	U	D	MD
8046	78	FORD	STAW	8R12Y112204	45011	1	6	3	4	4	3	4	1	4	2	4	2	2	2	1	2	2	2	3	3	2	5	2	1	2	1	2	222212	2
8047	78	VOLV	242G	24245L1136094	8546	1	3	2	4	4	2	3	4	3	4	1	2	2	2	2	2	2	2	3	3	1	3	2	1	2	2	2	222212	2
6048	76	BUIC	REGA	4J57J62100356	79844	1	5	3	4	4	2	4	3	4	4	4	2	2	2	2	2	2	1	3	3	1	2	2	1	2	1	2	222212	2
8049	78	PONT	SUNB	2E2718U545281	15586	1	4	3	4	4	1	4	4	3	4	1	2	2	2	2	2	2	1	6	2	3	5	2	1	2	1	2	222212	2
8050	78	PONT	SUNB	2E2718U578978	6721	1	2	2	4	4	4	1	4	3	4	1	2	2	2	2	2	2	1	3	4	1	3	2	1	2	1	2	222212	2
9051	79	FORD	STAW	9T12Y171505	4175	1	3	3	4	4	3	3	3	3	2	3	2	2	2	1	1	2	2	3	1	1	2	2	1	2	1	2	222212	2
9052	79	FORD	PINT	9T10Y134436	7963	1	3	4	4	4	1	4	4	3	8	1	2	2	2	2	2	2	2	3	1	1	6	1	1	2	1	2	212222	2
9053	79	FORD	STAW	9T12Y176634	5322	1	3	2	4	4	2	2	4	3	4	4	2	2	2	2	2	2	2	3	1	1	3	2	1	2	1	2	222212	2
9054	79	FORD	PINT	9T10Y142266	4167	1	3	3	4	4	2	3	4	3	3	4	2	2	2	2	2	2	2	1	1	1	2	2	1	2	1	2	222212	2
9055	79	FORD	PINT	9T11Y175567	2075	1	2	3	4	4	4	2	4	3	2	1	2	2	2	2	2	2	2	1	1	3	2	2	1	2	1	2	222212	2
9056	79	FORD	STAW	9T12Y183522	5066	1	3	1	4	4	2	4	2	4	4	3	2	2	2	2	2	2	2	2	1	1	5	1	1	2	5	2	222212	2
9057	79	FORD	STAW	9T12Y142261	4186	1	3	3	4	4	2	4	3	4	2	4	2	2	2	2	2	2	2	1	1	1	2	2	1	2	2	2	222212	2
9058	79	FORD	PINT	9T10Y182366	3720	1	4	3	4	4	2	3	4	3	2	1	2	2	1	2	2	2	2	2	1	1	2	2	1	2	1	2	222212	2
9059	79	FORD	STAW	9T12Y118210	4582	1	3	3	4	4	3	3	3	3	4	1	2	2	2	2	2	2	2	2	1	1	3	2	1	2	1	2	222212	2
8060	78	PONT	SUNB	2E2718U579023	6816	1	3	3	4	4	1	4	3	4	4	3	2	2	1	2	1	2	1	4	6	1	3	2	1	2	4	2	122222	2
8061	78	PONT	SUNB	2M0718U550783	13253	1	3	3	4	4	1	3	4	4	2	4	1	2	2	2	2	1	2	3	4	1	3	2	1	2	1	2	222212	2
9062	79	DODG	MAGN	XS22J9R136356	4800	1	3	3	4	4	2	4	3	4	2	4	2	2	1	2	1	2	2	1	1	1	5	1	1	2	1	2	222212	2
7063	77	PONT	GRNP	2J57RP103820	68744	1	5	2	4	4	4	4	1	3	6	1	2	2	2	2	2	2	1	3	3	2	4	2	1	2	1	2	122222	2
8064	78	FORD	PINT	8R11Y113312	9536	1	3	3	4	4	4	3	4	2	2	1	2	2	1	2	2	2	2	3	3	1	5	2	1	2	1	2	222212	2
5065	75	FORD	STAW	5R12Y112438	107592	2	3	3	4	4	1	4	4	3	4	2	2	2	1	1	1	1	1	3	3	2	5	1	1	2	4	2	112122	2
7066	77	MERC	MONA	7E38F522146	78024	1	6	3	4	4	2	3	4	3	6	1	2	2	2	2	2	2	2	3	3	2	2	2	1	2	1	2	222212	2
5067	75	FORD	PINT	5R11Y103596	50110	1	3	1	4	4	1	3	4	4	5	1	2	2	2	2	2	2	2	3	3	3	4	2	1	2	1	2	222212	2
8068	78	FORD	PINT	8R11Y138900	16599	1	3	1	4	4	1	3	4	4	2	1	2	2	1	2	1	2	1	3	3	1	3	2	1	2	1	2	222212	2
8069	78	PONT	STAW	2M15I8U551927	10558	1	4	3	4	4	2	4	2	4	6	1	2	2	2	2	2	2	2	3	2	1	5	2	1	2	1	2	222212	2
7070	77	OLDS	STAW	3H35K7R155109	51204	1	5	2	4	4	1	4	3	4	4	1	2	2	2	2	2	2	2	3	3	2	2	2	1	2	2	2	222212	2
9071	79	CADI	SEVI	6569B99470496	3597	1	3	2	4	4	4	2	4	3	4	1	2	2	2	2	2	2	2	1	1	1	5	2	1	2	1	2	222212	2
9072	79	FORD	PINT	9T10Y199325	3606	1	3	2	4	4	2	4	4	3	4	1	2	2	2	2	2	2	2	1	1	1	2	2	1	2	1	2	222212	2
9073	79	CHEV	NOVA	1X27D9W120112	2412	1	3	3	4	4	3	4	1	4	10	4	2	2	2	2	2	2	2	3	1	1	3	2	1	2	1	2	222212	2
8074	78	PONT	SUNB	2M2718U550769	14536	1	3	3	4	4	1	4	4	3	2	1	2	2	1	2	2	2	2	3	4	1	4	2	1	2	1	2	222122	2
8075	78	FORD	PINT	8R11Y156040	7163	1	2	2	4	4	2	3	4	4	2	1	2	2	2	1	2	2	2	4	2	3	5	2	1	2	1	2	222212	2
8076	78	PONT	STAW	2M1518U557636	5948	1	2	2	4	4	2	3	4	4	4	1	2	2	2	2	2	2	2	3	1	1	4	2	1	2	4	2	222212	2
8077	78	FORD	STAW	8R12Y150034	7708	1	3	3	4	4	2	3	4	4	2	1	2	2	2	2	2	2	2	3	3	1	2	2	1	2	1	2	222212	2
8078	78	FORD	PINT	8R10Y152046	14714	1	3	3	4	4	1	4	4	3	2	1	2	2	1	2	1	2	2	3	3	1	3	2	1	2	1	2	222212	2
8079	78	PONT	SUNB	2E2718U557639	6006	1	2	4	4	4	2	3	4	4	4	4	2	2	2	2	2	2	1	3	1	1	4	2	1	2	1	2	222212	2
8080	78	FORD	PINT	8R10Y133152	6683	1	2	2	4	4	3	3	4	3	6	4	2	2	2	2	2	2	1	3	4	1	4	2	1	2	3	2	222212	2
8081	78	PONT	SUNB	2M0718U543186	16040	1	4	3	4	4	1	4	4	4	2	4	1	2	2	2	2	2	2	3	2	3	3	2	1	2	1	2	222212	2
8082	78	FORD	PINT	8R10Y112201	28942	1	4	3	4	4	1	4	4	3	4	1	2	2	2	2	2	2	2	4	1	1	2	2	1	2	1	2	222212	2
8083	78	FORD	PINT	8R10Y151079	6552	1	2	1	4	4	4	3	4	1	4	1	2	2	2	2	2	2	2	3	2	1	3	2	1	2	1	2	222212	2
8084	78	PONT	SUNB	2M0718U553121	5682	1	3	3	4	4	1	3	3	4	4	3	2	2	2	2	2	1	1	1	1	1	5	1	1	2	1	2	222212	2
8085	78	FORD	STAW	8R12Y107512	8070	1	2	2	4	4	4	1	4	3	3	1	1	2	1	2	2	2	2	3	3	1	5	2	1	2	1	2	222212	2
8086	78	PONT	SUNB	2M0718U530744	7496	1	2	3	4	4	2	3	4	4	4	2	2	2	2	2	2	2	2	4	3	1	5	2	1	2	3	2	222212	2
9087	79	VOLK	RABB	1793778483	5035	1	3	2	4	4	2	3	4	4	2	1	2	2	2	2	2	2	2	3	3	1	3	2	1	2	1	2	221222	2
6088	76	FORD	TORI	6H31H157117	51087	2	3	2	4	4	1	4	4	3	4	2	2	2	2	2	2	2	1	4	4	1	1	2	1	2	1	2	222212	2
8089	78	FORD	PINT	8R10Y104435	7918	1	1	3	4	4	4	3	4	1	2	1	2	2	2	2	2	2	2	3	1	1	2	2	1	0	1	2	222212	2
8090	78	PONT	SUNB	2M0718U517023	10321	1	3	2	4	4	2	3	4	4	4	2	2	2	2	2	1	2	2	3	3	1	2	2	1	2	4	2	222212	2

APPENDIX B

LISTING OF TEST VEHICLE USE AND MAINTENANCE DATA

LOS ANGELES

VEH	YR	MAKE	MODEL	VIN	ODOM	N	Y	C	E	S	W	G	B	V	TD	W	H	ST	R	M	A	SB	DS	LO	LT	MAR	NW	PB	UL	L	H2S	U	D	MD
8091	78	PONT	SUNB	2M0718U539670	9252	1	3	3	4	4	1	3	4	4	4	4	2	2	2	2	2	2	1	3	3	1	3	2	1	2	2	2	222212	2
6092	76	CHEV	CHET	1B08E6Y168943	61714	1	5	3	4	4	1	4	3	4	4	1	2	1	2	2	2	2	2	3	3	1	2	1	1	2	1	2	122222	2
8093	78	VOLV	264G	26465L1058686	20552	1	5	3	4	4	1	3	4	4	2	1	2	2	2	2	2	2	2	3	3	1	3	2	1	2	1	2	222212	2
9094	79	PLYM	HORI	ML24A9D185706	2432	1	3	1	4	4	2	2	3	4	6	3	2	2	2	2	2	2	2	3	3	1	5	2	1	2	1	2	222212	2
8095	78	PONT	SUNB	2M2718U566110	6832	1	3	1	4	4	1	4	4	4	4	2	2	2	1	2	2	2	2	3	2	1	2	2	1	2	1	2	222212	2
8096	78	SAAB	99EM	99781012440	11979	1	3	3	4	4	4	2	4	2	2	1	2	2	2	2	2	2	2	3	3	1	5	2	2	2	1	2	222212	2
5097	75	TOYO	STAW	TE38021871	77496	1	4	3	4	4	2	4	4	2	2	1	2	2	1	2	2	2	2	3	3	1	3	2	1	2	1	2	222212	2
8098	78	FORD	PINT	8R10Y122178	12776	1	3	2	4	4	2	3	4	3	2	4	2	2	2	2	2	2	2	3	1	1	5	2	1	2	2	2	222212	2
8099	78	FORD	PINT	8R11Y118296	20109	1	4	3	4	4	1	3	4	4	2	1	2	2	1	2	2	2	2	3	2	1	5	2	1	2	3	2	222212	2
8100	78	FORD	STAW	8R12Y109438	33505	1	4	3	4	4	4	3	4	1	2	1	2	2	2	2	2	2	2	3	2	1	3	2	1	2	1	2	222212	2
6101	76	FORD	ELIT	66215208047	52982	1	5	3	4	4	2	3	4	3	4	1	2	2	2	2	2	2	2	4	4	3	3	2	1	2	1	2	222212	2
8102	78	FORD	STAW	8R12Y116676	26920	1	5	3	4	4	1	3	4	4	2	4	2	2	2	2	2	2	2	6	3	1	3	2	1	2	1	2	222212	2
8103	78	VOLV	264G	26465L1053545	15900	1	4	1	4	4	3	4	1	4	8	1	2	2	1	2	2	2	2	3	3	1	3	2	1	2	1	2	222212	2
8104	78	VOLV	264G	26465L1056741	20903	1	4	1	4	4	1	3	4	4	4	2	2	2	2	2	2	2	2	3	3	1	3	2	1	2	1	2	222212	2
9105	79	FORD	PINT	9T10Y174277	4255	1	2	1	4	4	1	4	4	3	4	1	2	2	2	2	2	2	2	1	1	1	5	2	1	2	1	2	222212	2
8106	78	VOLV	264G	26465L1050588	2246	1	3	3	4	4	2	3	4	3	2	1	2	2	2	2	2	2	2	3	3	1	2	2	1	2	4	2	222212	2
8107	78	PONT	SUNB	2M27I8U561360	18990	1	4	3	4	4	2	3	4	4	2	2	2	2	2	2	2	2	2	3	3	3	5	2	1	2	4	2	222212	2
8108	78	FORD	PINT	8R10Y135120	10795	1	2	3	4	4	1	4	4	3	2	1	2	2	2	2	2	2	2	3	1	1	3	2	1	2	1	2	222212	2
8109	78	VOLV	264	26465L1052717	18941	1	4	3	4	4	2	4	3	4	10	1	2	2	2	2	2	2	2	3	3	1	2	2	1	2	1	2	222212	2
9110	79	VOLV	STAW	24545M1226099	8318	1	4	3	4	4	2	3	4	4	6	1	2	2	2	2	2	2	2	3	3	1	3	2	1	2	1	2	222212	2
9111	79	VOLV	264G	26465M1063077	3771	1	3	2	3	4	4	2	4	3	5	4	2	2	2	2	2	2	2	3	1	1	3	2	1	2	1	2	222212	2
9112	79	VOLV	STAW	24545M1216215	7500	1	3	2	4	4	4	1	3	3	6	1	2	2	2	2	2	2	2	2	3	1	2	2	1	2	1	2	222212	2
9113	79	VOLV	242	24245M1142990	12320	1	4	3	4	4	2	3	4	3	4	1	2	2	2	2	2	2	2	3	2	3	2	2	1	2	1	2	222212	2
9114	79	VOLV	244	24445M1372479	8639	1	5	3	4	4	3	4	2	4	3	4	2	2	2	2	2	2	2	3	3	1	3	2	1	2	1	2	212222	2
9115	79	VOLV	242	24245M1148832	3730	1	3	4	3	4	1	4	4	4	2	1	2	2	2	2	2	2	2	3	1	1	2	2	1	2	1	2	222212	2
9116	79	VOLV	STAW	24545M1228764	3980	1	4	3	4	4	3	3	3	4	4	1	2	2	2	2	2	2	2	3	1	1	2	2	1	2	1	2	222212	2
9117	79	VOLV	244	24445M1404305	2210	1	3	2	4	4	3	3	3	2	3	1	2	2	2	2	2	2	2	3	3	1	2	2	1	2	1	2	222212	2
9118	79	VOLV	244	24445M1395955	5898	1	3	3	4	4	3	4	3	4	3	3	2	2	2	2	2	2	2	3	1	1	2	2	1	2	1	2	222212	2
9119	79	VOLV	264G	26465M1068131	5394	1	3	3	4	4	2	3	4	4	2	1	2	2	1	2	2	2	2	3	1	1	2	2	1	2	1	2	222212	2
9120	79	VOLV	264	26465M1063356	8046	1	3	2	4	4	2	3	3	3	2	1	2	2	1	2	2	2	2	3	1	1	5	2	1	2	1	2	222212	2
9121	79	FORD	PINT	9T11Y142269	5034	1	3	2	4	4	2	3	3	3	2	2	2	2	2	2	2	2	2	1	1	1	2	2	1	2	1	2	222212	2
9122	79	FORD	MUST	9R02Y137066	1581	1	2	2	4	4	1	3	3	3	5	1	2	2	1	1	2	2	1	1	1	4	2	2	1	2	1	2	222212	2
9123	79	FORD	PINT	9T11Y147833	4294	1	3	3	4	4	2	3	4	4	4	2	2	2	2	2	2	2	2	3	1	1	2	2	1	2	1	2	222212	2
8124	78	PONT	SUNB	2M0718U540048	14198	1	3	3	4	4	1	3	4	3	4	3	2	2	1	2	2	2	2	3	6	1	4	2	1	2	3	2	222212	2
9125	79	FORD	PINT	9T10Y185426	2120	1	3	1	4	4	1	4	4	3	3	2	2	2	2	1	2	1	2	1	1	1	2	2	1	2	1	2	222212	2
9126	79	FORD	STAW	9T12Y174253	6006	1	3	1	4	4	2	3	4	3	4	2	2	2	2	2	2	2	2	3	1	1	3	2	1	2	1	2	222212	2
8127	78	FORD	PINT	8R10Y133477	17339	1	3	3	4	4	3	4	4	1	10	4	2	2	1	2	2	2	2	3	3	1	5	1	1	2	4	1	222212	2
9128	79	VOLV	STAW	24545M1226254	2448	1	3	3	4	4	4	2	3	3	2	1	2	2	2	2	1	2	2	6	6	1	2	2	1	2	1	2	222212	2
6129	76	BUIC	REGA	4J57H6H169324	81377	1	5	3	4	4	2	3	4	4	3	1	1	2	2	2	2	2	2	3	4	2	2	2	1	4	1	2	222212	2
6130	76	BUIC	SKYL	4B69J6L108717	82412	1	5	1	4	4	2	4	1	4	10	1	1	2	2	2	2	2	2	3	3	3	6	2	1	2	1	2	222212	2
9131	79	PONT	SUNB	2M27A97507354	4140	1	2	3	4	4	1	4	4	3	4	1	2	2	1	2	2	2	2	3	1	1	4	1	1	2	1	2	222212	2
9132	79	PONT	SUNB	2M27G97521997	7589	1	4	3	4	4	3	4	1	4	20	2	1	2	2	2	2	2	2	3	1	1	3	2	1	2	1	2	222212	2
9133	79	PONT	SUNB	2M27A97510138	7251	1	3	3	4	4	2	3	4	3	4	3	2	2	2	2	2	2	2	3	1	1	3	2	1	2	1	2	222212	2
9134	79	PONT	SUNB	2M27A97507056	6293	1	3	3	4	4	1	3	4	3	4	4	2	2	2	2	2	2	2	3	1	1	3	2	1	2	1	2	222212	2
9135	79	PONT	SUNB	2M27A97510109	7959	1	3	2	4	4	2	3	4	3	4	1	1	2	2	2	2	2	1	3	3	1	4	2	1	2	1	2	222212	2

APPENDIX B

LISTING OF TEST VEHICLE USE AND MAINTENANCE DATA

LOS ANGELES

VEH	YR	MAKE	MODEL	VIN	ODOM	N	Y	C	E	S	W	G	B	V	TD	W	H	ST	R	M	A	SB	DS	LO	LT	MAR	NW	PB	UL	L	H2S	U	D	MD
9136	79	PONT	SUNB	2E27197528431	3080	1	3	1	4	4	1	3	4	4	2	1	2	2	2	2	2	2	2	3	3	1	4	2	1	2	1	2	222212	2
9137	79	PONT	SUNB	2M27A97529697	2558	1	2	2	4	4	2	4	4	4	2	2	2	2	2	2	2	2	2	3	1	1	4	2	1	2	1	2	222212	2
8138	78	PONT	SUNB	2M0718U542966	14466	1	3	2	4	4	2	3	4	3	6	1	2	2	2	2	1	2	1	4	1	1	4	2	1	2	1	2	212222	2
8139	78	PONT	SUNB	2E2718U538509	13353	1	3	3	4	4	3	4	4	1	2	1	2	2	2	2	2	2	2	3	6	1	5	2	1	2	1	2	222212	2
8140	78	VOLV	262C	26265LD003605	11475	1	3	2	4	4	1	4	3	4	2	1	2	2	2	2	1	2	2	3	3	1	4	2	1	2	1	2	222212	2
9141	79	MERC	MARQ	9Z64H691524	1606	1	2	3	3	4	3	3	4	2	3	1	2	2	2	2	2	2	2	1	1	1	2	2	1	2	1	2	222212	2
8142	78	SAAB	99GL	99781006099	12623	1	3	1	4	4	4	3	4	1	6	1	2	2	2	2	2	2	2	3	3	1	6	2	1	2	1	2	222212	2
8143	78	FORD	PINT	8R11Y147685	11771	1	3	1	4	4	2	3	4	3	2	1	2	2	2	2	2	2	2	3	1	1	5	2	1	2	1	2	222212	2
8144	78	FORD	STAW	8R12Y112206	24429	1	4	3	4	4	2	3	4	3	2	1	2	2	2	2	2	2	2	3	3	1	5	2	1	2	1	2	222212	2
9145	79	CADI	SEVI	6S69B99469329	2983	1	2	1	4	4	1	4	4	3	2	1	2	2	2	2	2	2	2	3	1	1	3	2	1	2	1	2	222212	2
5146	75	PONT	ASTR	2X77B5V527224	54656	1	3	2	4	4	2	3	4	4	4	1	2	2	2	2	2	2	2	3	3	4	3	2	1	2	1	2	122222	2
8147	78	FORD	PINT	8R11Y126880	30511	1	4	3	4	4	1	4	4	3	4	1	2	2	2	2	2	2	2	3	3	1	2	2	1	2	1	2	222212	2
8148	78	VOLV	264G	26465L1052213	16544	1	4	3	4	4	3	3	3	3	2	1	2	1	1	2	2	1	2	3	3	1	5	2	1	2	3	2	222212	2
8149	78	VOLV	264G	26465L1056641	5181	1	3	2	4	4	2	3	4	3	2	1	2	2	2	2	2	2	2	3	3	1	2	2	1	2	1	2	222212	2
5150	75	OLDS	98	3X37T5M351925	66893	1	4	3	4	4	1	4	4	3	2	1	2	2	2	2	2	2	1	3	4	3	2	2	1	2	1	2	222212	2
6151	76	CHEV	STAW	1D35L6Z403435	52339	2	3	1	4	4	4	1	4	4	3	3	2	2	2	2	2	2	2	3	4	2	1	2	1	2	1	2	222212	2
6152	76	FORD	MUST	6R04Z164699	59448	1	4	3	4	4	1	4	4	4	4	4	2	2	2	2	1	2	1	6	3	1	2	2	1	2	1	2	222212	2
6153	76	PLYM	VOLA	HL45G6B212557	50292	1	5	3	3	4	2	3	4	3	3	1	2	2	2	2	2	2	1	3	4	1	5	2	1	2	1	2	222212	2
6154	76	HOND	STAW	WBA2025840	57106	1	5	3	4	4	3	3	4	2	3	1	2	2	2	2	2	2	2	3	3	1	3	2	2	1	1	2	221212	2
6155	76	FORD	PINT	6R12Y154548	58484	1	5	3	4	4	2	3	4	3	2	1	2	2	2	2	2	2	1	3	3	1	3	2	1	2	1	2	222212	2
7156	77	FORD	GRAN	7W83F171203	54704	1	5	3	3	4	4	4	1	4	4	4	1	2	1	1	1	2	2	3	3	1	2	2	1	2	1	2	222212	2
5157	75	FIAT	X19	128AS-0031638	53928	1	3	3	4	3	2	3	4	3	5	1	1	2	2	2	2	2	2	3	4	3	5	1	1	2	1	2	222212	2
6158	76	OLDS	CUTL	3M57R6R170368	55574	1	5	3	3	4	2	3	3	3	6	3	1	1	1	1	1	1	1	3	3	1	5	2	1	2	1	2	212212	2
6159	76	FORD	ELIT	6G21R229056	76870	1	6	3	3	4	1	4	4	4	15	1	2	2	2	2	2	2	1	3	3	1	4	2	1	2	1	2	222212	2
6160	76	PLYM	STAW	RL46J6A143539	72828	2	5	3	4	4	2	3	4	3	6	1	2	2	1	2	2	2	2	3	3	1	5	1	1	3	1	2	222212	2
5161	75	FORD	STAW	5J76S144909	63307	2	3	2	3	4	4	2	4	3	2	1	2	2	2	2	2	2	2	4	4	3	1	1	1	2	1	2	212222	2
6162	76	PLYM	VOLA	HH41C6F166666	53769	2	4	2	4	4	2	3	3	4	5	1	2	2	2	2	1	2	1	3	3	2	4	2	1	2	1	2	222212	2
6163	76	MERC	STAW	6H18A515403	53252	2	4	3	4	4	3	3	2	4	4	4	2	1	2	2	2	2	2	3	3	1	1	2	1	2	1	2	222212	2
6164	76	AMC	GREM	A6E463E229542	58698	1	3	2	4	4	2	3	4	3	2	1	1	2	2	2	2	2	1	3	3	1	5	1	1	2	1	2	222212	2
6165	76	PLYM	ARRO	7L24K69300184	56231	1	4	3	4	3	2	3	4	3	3	1	2	2	1	2	1	2	2	3	3	2	5	1	2	1	1	2	222212	2
5166	75	BUIC	SKYH	4S07C52101920	59780	1	3	3	3	4	2	3	4	3	2	1	2	1	2	2	1	2	2	3	4	1	3	2	1	2	3	2	222212	2
7167	77	HOND	ACCO	SJE2036737	51624	1	5	3	4	4	3	3	2	4	12	1	2	2	2	2	1	2	2	3	3	2	4	2	2	1	1	2	222212	2
5168	75	FORD	MUST	5R04Z152392	54027	1	4	3	4	4	2	4	3	4	4	4	2	2	2	2	1	2	2	4	4	1	5	2	1	2	1	2	222212	2
6169	76	PONT	VENT	2Z69J6L115354	52931	1	5	3	4	4	3	4	3	4	10	2	1	2	2	2	2	2	1	3	3	1	5	2	1	2	1	2	222212	2
6170	76	PLYM	STAW	HH45G6B216136	57581	1	4	3	3	4	3	2	4	3	3	1	1	2	2	2	1	2	2	4	4	2	5	2	1	2	1	2	222212	2
6171	76	CHEV	MONT	1H57L6Z421317	78765	2	3	2	4	4	1	4	4	4	1	1	2	2	2	2	1	2	2	3	3	1	1	2	1	2	1	2	122222	2
6172	76	PLYM	FURY	RH23G6A113650	64830	1	5	3	4	4	1	4	3	4	2	4	2	2	2	2	1	2	2	3	3	1	4	1	1	2	1	2	222212	2
6173	76	MERC	COME	6K30L509647	59597	2	5	3	4	4	1	4	4	3	5	4	2	2	2	2	1	2	2	3	3	1	1	2	1	2	1	2	222212	2
6174	76	FORD	GRAN	6W81L121068	54957	1	4	2	4	4	2	3	3	4	4	1	1	1	1	2	2	1	1	3	5	1	3	2	1	2	1	2	222212	2
6175	76	BUIC	REGA	4J57J6Z141665	51483	1	4	3	4	4	2	4	3	4	2	4	2	2	2	2	1	2	2	3	4	1	5	1	1	2	1	2	222212	2
5176	75	FORD	PINT	5R12Y104254	56032	2	4	3	4	4	1	3	4	4	4	4	2	1	1	2	1	2	1	3	3	3	2	1	1	2	1	2	222212	2
6177	76	PONT	VENT	2Z17D6L106216	55520	2	5	3	4	4	2	4	3	4	4	4	1	2	2	2	1	2	2	3	5	3	1	2	1	2	1	2	222212	2
5178	75	BUIC	SKYH	4S07C52116008	52225	1	3	2	4	4	3	3	3	3	7	3	1	2	2	2	2	2	2	3	5	1	4	2	1	2	3	2	222212	2
5179	75	VOLK	RABB	1753392020	77214	1	5	3	4	4	3	3	3	3	3	2	2	2	2	2	2	2	2	3	3	1	4	2	1	2	1	2	222122	2
6180	76	PONT	LEMA	2D37P6P200879	71897	1	5	3	4	4	3	4	3	3	3	4	2	2	2	2	2	1	2	3	3	1	2	2	1	2	1	2	222212	2

APPENDIX B

LISTING OF TEST VEHICLE USE AND MAINTENANCE DATA

LOS ANGELES

VEH	YR	MAKE	MODEL	VIN	ODOM	N	Y	C	E	S	W	G	B	V	TD	W	H	ST	R	M	A	SB	DS	LO	LT	MAR	NW	PB	UL	L	H2S	U	D	MD
6181	76	AMC	GREM	A6A465A109867	50274	1	4	3	4	4	4	3	4	2	4	3	1	2	2	2	2	2	1	3	3	1	5	2	1	2	1	2	212222	2
5182	75	HOND	STAW	WBA1007037	69582	2	3	3	4	4	3	3	3	3	4	4	2	2	2	2	2	2	2	3	3	3	1	2	2	1	1	2	222212	2
6183	76	PLYM	VOLA	HH45G6B221830	63222	1	5	3	4	4	2	4	3	3	6	3	2	2	2	2	1	1	1	3	4	1	4	1	1	2	1	2	222212	2
6184	76	TOYO	CORO	RT105021322	59428	1	4	3	4	4	3	3	3	3	2	1	2	2	2	1	1	1	2	3	3	1	2	2	1	2	2	2	222212	2
6185	76	MERC	MONA	6W38H539009	50917	1	4	3	4	4	3	4	1	4	3	4	2	2	2	2	2	2	2	3	4	3	2	2	1	2	1	2	222212	2
6186	76	HOND	CVCC	SGC2048426	62612	1	5	3	4	4	4	4	1	A	25	4	2	2	2	2	2	2	2	3	3	1	3	2	2	1	1	2	222212	2
6187	76	FORD	PINT	6X11Y200942	50219	2	4	3	4	4	1	4	4	4	2	4	1	1	1	1	1	2	1	3	3	1	1	1	1	2	3	2	222212	2
5188	75	FORD	TORI	5H31H148295	62023	2	4	3	4	4	4	2	4	3	1	2	1	2	2	2	2	2	2	3	3	3	2	2	1	2	1	2	222212	2
6189	76	CHEV	CHET	1B08E6Y194189	69591	1	4	3	4	4	3	3	3	3	6	4	2	2	2	2	2	1	2	3	4	1	3	2	1	2	1	2	222212	2
7190	77	CHEV	CAMA	1Q87D7L560737	63950	1	5	3	4	4	3	4	1	4	4	4	2	2	2	2	2	2	2	3	4	1	3	2	1	2	1	2	222212	2
6191	76	HOND	CVCC	SGE2007768	51829	1	4	3	4	4	2	3	4	4	2	2	2	2	2	2	2	2	2	3	4	1	3	2	1	2	1	2	212222	2
6192	76	FORD	LTD	6J625104205	65439	2	5	4	4	4	1	4	4	3	2	1	2	2	1	2	2	2	2	3	3	1	4	1	1	2	4	2	222212	2
7193	77	PONT	VENT	2Y69R7L100550	53878	1	5	3	4	4	2	4	3	4	6	3	2	2	2	2	2	2	1	3	3	1	2	1	1	2	1	2	222212	2
5194	75	FORD	TORI	5A30H116159	64338	1	5	3	4	4	4	3	4	2	4	3	1	2	2	2	2	2	1	3	3	3	4	2	1	2	1	2	222212	2
6195	76	BMW	2002	2377279	57898	2	3	3	4	4	2	4	4	3	4	3	2	2	2	2	2	2	1	3	3	3	1	2	2	5	1	2	222212	2
5196	75	HOND	CVCC	SGC1018560	53976	1	3	2	4	4	2	3	4	4	4	2	2	2	2	2	2	1	2	3	4	3	2	2	2	1	1	2	222212	2
5197	75	HOND	CVCC	SGE1023817	55934	1	3	4	3	3	4	3	2	3	6	4	2	2	2	2	1	2	1	3	3	1	2	2	2	1	1	1	222212	2
5198	75	HOND	CVCC	SBC3307172	55990	2	3	2	4	4	1	3	3	4	4	4	2	2	2	2	1	1	2	3	3	3	1	2	2	1	1	2	222212	2
6199	76	TOYO	CORO	TE31135972	57773	1	5	3	4	4	3	4	2	3	11	1	2	2	2	2	2	2	2	3	3	1	2	2	1	2	1	2	222212	2
6200	76	VOLK	RABB	1763201050	67709	1	5	2	4	4	3	4	1	4	33	2	2	2	2	2	2	2	1	3	4	1	5	2	1	2	1	2	222212	2
5201	75	MERC	MONA	5W35F527945	57983'	1	2	3	3	4	3	3	4	2	2	1	2	2	2	2	2	2	2	3	3	1	2	2	1	2	1	2	222212	2
5202	75	DATS	280Z	HLS30215911	65553	1	5	3	4	4	3	4	1	4	12	4	2	2	1	2	2	2	2	3	3	1	5	1	1	2	1	2	221222	2
5203	75	TOYO	CELI	RA22016865	52752	1	3	2	4	4	4	3	3	3	20	1	2	2	2	2	2	2	2	3	5	1	2	2	1	2	1	2	222212	2
5204	75	CHEV	MONZ	1R07B52122078	87838	1	5	3	4	4	2	3	4	3	2	1	1	2	2	2	1	2	2	3	3	1	3	1	1	2	1	2	222212	2
6205	76	FORD	PINT	6R12Y132274	64522	2	5	3	4	4	1	3	4	4	2	1	2	2	2	2	2	2	2	3	3	1	1	2	1	2	1	2	222212	2
5206	75	DATS	B210	HLB210640730	68200	1	4	3	4	4	2	4	3	4	3	3	2	2	2	2	2	2	2	3	4	1	2	2	1	2	1	2	222212	2
6207	76	OLDS	CUTL	3J29R6R202672	60216	1	4	4	4	4	2	4	3	4	2	3	2	2	2	2	2	2	2	4	4	3	2	2	1	2	1	2	222212	2
7208	77	CHEV	STAW	1N35L7C105246	68237	2	5	3	4	4	3	3	3	3	2	1	2	2	2	2	1	2	2	3	6	3	1	2	1	2	4	2	222212	2
5209	75	DATS	STAW	JHL710841616	55678	2	4	3	4	4	3	3	3	3	6	3	2	2	2	2	2	2	2	4	4	3	1	2	1	2	1	2	222212	2
6210	76	MERC	COUG	6A93H511268	87423	1	5	2	4	4	3	3	3	3	4	3	2	2	2	2	2	2	1	3	3	1	5	1	1	2	2	2	222212	2
7211	77	OLDS	CUTL	3J57R7R121646	69683	1	5	3	3	4	3	4	1	3	12	4	2	2	2	2	1	2	2	3	3	1	2	1	1	2	1	2	222212	2
7212	77	OLDS	CUTL	3J57R7R121483	53126	1	4	3	4	4	3	4	2	3	4	1	2	2	2	2	2	2	1	3	4	1	3	2	1	2	1	2	222212	2
7213	77	OLDS	CUTL	3J57R7R121466	70652	1	5	3	4	4	3	4	1	4	8	1	2	2	2	2	2	2	2	3	4	2	3	2	1	2	1	2	122222	2
5214	75	FORD	LTD	5J68A138379	51575	1	3	2	3	4	3	2	4	4	4	2	1	2	1	2	2	2	2	3	3	1	3	2	1	2	1	2	212212	2
6215	76	MERC	COUG	6A93H556967	60636	1	5	3	4	4	2	3	4	4	3	3	2	2	2	2	2	2	2	4	4	3	2	2	1	2	1	2	222212	2
6216	76	FORD	MUST	6R05Z167205	82674	2	6	3	4	4	3	4	1	4	9	4	2	1	2	2	2	2	2	3	3	1	1	1	1	2	1	2	111222	2
6217	76	CADI	DEVI	6D47S60251660	50564	2	4	2	4	4	2	4	3	4	3	3	2	2	2	2	2	2	2	3	3	1	1	2	1	2	1	2	222212	2
5218	75	CHEV	CAPR	1N39U5J120419	141663	1	6	3	4	4	3	4	1	4	10	4	2	2	1	1	2	1	2	3	6	2	2	2	1	2	1	2	212222	2
5219	75	FORD	PINT	5R10Y142685	73017	1	4	3	4	4	3	4	2	4	4	4	2	2	1	2	2	2	1	3	3	1	2	1	1	2	1	2	222212	2
5220	75	FORD	ELIT	5G21H189776	55593	1	3	3	4	4	3	3	4	3	3	2	2	2	2	2	1	2	3	2	1	2	2	1	2	1	2	2	212222	2
5221	75	FORD	PINT	5R12Y133231	56342	2	3	3	4	4	2	3	4	4	4	1	2	2	2	2	2	2	2	3	3	3	2	2	1	2	1	2	222212	2
6222	76	MERC	STAW	6H08H510452	65248	2	5	3	4	4	3	4	2	4	6	1	2	2	2	2	1	2	2	3	4	3	1	2	1	2	3	2	222212	2
5223	75	CHEV	STAW	1N45U5J142455	99600	1	3	3	4	4	3	3	3	3	4	1	2	2	2	2	2	2	2	3	3	1	2	2	1	2	1	2	212222	2
7224	77	CHEV	CAMA	1Q87U7L639102	54227	1	5	3	4	4	2	4	3	4	20	4	2	1	1	2	2	1	2	3	4	2	2	2	1	2	1	2	222212	2
5225	75	CHEV	MONZ	1R07B52123800	52503	2	3	3	4	4	2	3	4	4	3	2	2	2	2	2	2	2	2	3	3	1	1	2	1	2	1	2	222212	2

APPENDIX B.

LISTING OF TEST VEHICLE USE AND MAINTENANCE DATA

LOS ANGELES

VEH	YR	MAKE	MODEL	VIN	ODOM	N	Y	C	E	S	W	G	B	V	TD	W	H	ST	R	M	A	SB	DS	LO	LT	MAR	NW	PB	UL	L	H2S	U	D	MD
6226	76	HOND	STAW	WBB2012679	54773	1	3	3	4	4	2	3	4	3	4	4	2	2	2	2	1	2	1	3	3	1	4	1	2	1	1	2	112222	2
6227	76	LINC	CONT	6Y81A848962	57987	1	4	3	4	4	1	3	3	3	2	1	2	2	2	2	1	1	2	3	4	1	3	2	1	2	4	2	222212	2
5228	75	PONT	GRNV	2R4955X140420	76306	2	4	1	4	4	2	4	2	3	10	2	2	2	2	2	2	2	2	3	3	1	2	2	1	2	1	2	222212	2
5229	75	FORD	PINT	5R11Z112410	53403	2	3	2	4	4	2	3	3	4	4	1	2	1	2	2	2	2	1	3	3	1	1	2	1	2	1	2	222212	2
6230	76	BUIC	REGA	4J57H66103906	64976	2	3	2	4	4	2	4	4	2	6	3	2	2	2	2	2	2	2	3	3	1	1	1	1	2	1	2	222212	2
5231	75	CADI	COUP	6D47S5Q135861	51473	2	4	2	4	4	4	3	2	4	18	1	2	2	2	2	1	2	2	3	4	1	1	2	1	2	1	2	222212	2
5232	75	FORD	PINT	5R12Y161440	59533	1	4	3	4	4	2	3	4	3	4	4	2	2	2	2	1	1	2	3	3	1	2	2	1	2	1	2	222212	2
6233	76	HOND	CVCC	SGC2056027	75831	1	6	3	4	4	2	4	1	4	6	4	2	2	2	2	2	2	2	3	3	1	4	2	2	1	1	2	222212	2
5234	75	FORD	GRAN	5W84L245247	51924	2	3	1	4	4	3	2	3	3	5	1	2	1	1	2	1	1	2	4	4	3	2	2	1	2	1	2	222212	2
5235	75	CHEV	CAMA	1S87L5N504951	72009	2	3	3	4	4	3	4	1	4	6	1	2	2	2	1	2	2	2	3	4	3	5	2	1	2	1	2	222212	2
5236	75	HOND	CVCC	SGC1036299	73596	2	3	2	4	4	2	4	3	4	4	2	2	2	2	1	2	2	2	3	3	3	2	2	2	1	1	2	222212	2
5237	75	CHEV	MONT	1H57L5Z408707	50265	2	2	1	4	4	2	3	4	3	2	1	2	2	1	2	1	2	2	4	4	3	1	1	1	2	1	2	222212	2
5238	75	MBNZ	450S	10704412023187	52480	1	4	3	2	4	4	4	3	2	4	4	2	2	2	2	2	2	2	3	3	1	5	1	1	2	3	2	222212	2
6239	76	OLDS	STAW	3J35R6R118022	51322	1	3	2	4	4	4	1	3	3	9	3	2	2	2	2	2	2	2	3	5	4	5	1	1	2	4	2	212222	2
5240	75	TOYO	CORO	TE31047175	50459	1	4	3	4	4	1	4	4	3	2	2	2	2	2	2	2	2	2	3	3	1	3	1	1	2	1	2	222212	2
5241	75	TOYO	CELI	RA22029940	65418	1	4	3	4	4	1	3	4	4	4	3	2	2	2	2	2	2	2	3	4	1	3	2	1	2	2	2	222212	2
5242	75	FORD	PINT	5R10Y125606	51361	1	3	3	4	4	2	3	4	3	6	1	2	2	2	2	2	2	2	4	4	4	3	2	1	2	3	2	222212	2
5243	75	PLYM	GRNF	PP29J5D144464	64142	1	4	3	4	4	4	2	4	2	4	2	2	1	2	2	2	2	2	4	5	1	3	1	1	2	1	2	222212	2
5244	75	VOLK	DASH	3252209138	56244	1	4	3	4	4	3	4	1	4	12	1	2	2	2	2	2	2	2	3	3	1	4	2	1	2	1	2	221222	2
7245	77	CHEV	MONT	1H57L7Z410018	55651	2	3	2	4	4	1	3	4	3	4	1	2	2	2	2	2	2	2	4	4	3	2	2	1	2	1	2	212222	2
5246	75	FORD	RANC	5A47H174494	52099	1	3	3	4	4	4	3	3	2	2	1	2	2	2	2	2	2	2	3	4	1	5	1	1	2	1	2	222212	2
6247	76	MERC	COUG	6A93H517460	52365	2	3	3	4	4	1	4	4	4	2	1	2	2	2	2	2	2	2	3	3	1	2	2	1	2	1	2	222212	2
5248	75	FIAT	131S	131A30062676	66417	1	4	2	4	4	3	4	2	3	5	1	2	2	1	2	2	2	1	3	3	4	5	2	1	2	3	2	122222	2
7249	77	CHEV	CAMA	1Q87U7L545311	63168	2	5	3	4	4	2	3	4	4	8	4	2	2	2	2	2	2	2	3	3	3	1	1	1	2	2	2	222212	2
5250	75	MERC	MONA	5W35L550721	86094	2	6	3	4	4	1	4	4	3	4	2	2	2	1	2	2	2	2	3	3	1	1	2	1	2	1	2	222212	2

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5001	75	DATS	280Z	168	1	COLD TRANS	2.13	31.25	540.8	2.77	14.88
IHC, PPM HEXANE			70			COLD STAB	.32	4.25	630.4	1.47	13.91
ICO(ACTUAL), PCT			.30			HOT TRANS	.79	7.16	499.7	2.40	17.28
						1975 FTP	.82	10.60	576.3	1.99	14.90
COMMENTS: MIXTURE ADJ. PLUG OK, IRPM -150 RPM, TIMING -5.											
5002	75	AMC	GREM	232	1	COLD TRANS	2.60	37.33	456.0	4.29	16.97
IHC, PPM HEXANE			30			COLD STAB	.43	10.90	477.5	1.85	17.90
ICO(ACTUAL), PCT			.01			HOT TRANS	.66	8.89	421.5	3.74	20.28
						1975 FTP	.94	15.79	457.8	2.87	18.28
COMMENTS: LIMITER CAP MIS, HOT AIR DUCT BROKEN, IRPM -250 RPM. TIMING +5, EGR BPT DEF, VAC LINE PLUGGED AT EGR VALVE. CANISTER HOSE NOT CONNECTED TO AIR CLEANER.											
8003	78	PONT	SUNB	151	1	COLD TRANS	1.48	26.49	435.7	1.79	18.41
IHC, PPM HEXANE			140			COLD STAB	.18	10.46	418.2	.52	20.39
ICO(ACTUAL), PCT			1.10			HOT TRANS	.35	6.32	389.1	.70	22.18
						1975 FTP	.49	12.63	413.9	.83	20.39
COMMENTS: MIXTURE ADJ. PLUG OK, VACUUM NEEDED OVER SPEC TO LEAN OUT EFC CARB. HOSE OFF AT CARB VENT.											
9004	79	MERC	CAPR	140	1	COLD TRANS	1.48	9.81	579.5	1.97	14.80
IHC, PPM HEXANE			5			COLD STAB	.18	0.00	605.1	1.05	14.65
ICO(ACTUAL), PCT			.01			HOT TRANS	.23	.67	483.6	1.92	18.29
						1975 FTP	.46	2.20	566.7	1.48	15.53
COMMENTS: LIMITER CAP OK, TAC SENSOR DEF, IRPM +125 RPM.											
8005	78	PONT	STAW	151	1	COLD TRANS	1.09	24.04	456.9	1.15	17.82
IHC, PPM HEXANE			30			COLD STAB	.08	4.45	461.9	.36	18.92
ICO(ACTUAL), PCT			.02			HOT TRANS	.15	4.35	415.2	.47	21.01
						1975 FTP	.31	8.45	448.1	.55	19.20
COMMENTS: MIXTURE ADJ PLUG OK. VAC ADV HOSE OFF AT CARB. CANISTER PURGE HOSE AND CARB PORTED HOSE NOT CONNECTED.											

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APPENDIX C

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ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
8006	78	PONT	SUNB	151	1	COLD TRANS	5.16	106.10	354.9	.42	16.50
IHC, PPM HEXANE			500			COLD STAB	5.82	105.50	399.4	.26	15.21
ICO(ACTUAL), PCT			6.50			HOT TRANS	4.08	90.28	307.8	.33	19.19
						1975 FTP	5.21	101.47	365.2	.31	16.40
COMMENTS: MIXTURE ADJ PLUG OK. IDLE -400,CARB FUEL LEAK,FAST IDLE -600. EL FUEL CONTROL NOT WORKING. WIRE CONNECTOR TAB BENT ON MODULATOR.											
9007	79	CHEV	CAMA	350	1	COLD TRANS	1.30	10.36	826.2	2.01	10.48
IHC, PPM HEXANE			220			COLD STAB	.17	0.00	824.5	1.14	10.76
ICO(ACTUAL), PCT			.02			HOT TRANS	.43	.84	714.8	1.62	12.37
						1975 FTP	.47	2.36	794.9	1.45	11.09
COMMENTS: MIXTURE ADJ PLG OK.											
9008	79	CHEV	STAW	350	1	COLD TRANS	11.92	76.69	810.6	1.25	9.16
IHC, PPM HEXANE			20			COLD STAB	.10	2.66	911.2	1.33	9.69
ICO(ACTUAL), PCT			.03			HOT TRANS	.33	8.13	784.7	1.16	11.12
						1975 FTP	2.59	19.39	856.0	1.27	9.92
COMMENTS: MIXTURE ADJ. PLUG OK. IRPM +240. LOW IRPM SET HIGHER THAN ACTIVATED SOL.											
9009	79	CHEV	CAPR	350	1	COLD TRANS	.71	12.76	681.7	1.69	12.61
IHC, PPM HEXANE			20			COLD STAB	.09	1.15	711.8	1.19	12.43
ICO(ACTUAL), PCT			.01			HOT TRANS	.38	1.70	607.8	1.51	14.51
						1975 FTP	.30	3.69	677.2	1.38	12.98
COMMENTS: MIXTURE ADJ. PLUG OK.											
8010	78	FORD	PINT	140	1	COLD TRANS	1.63	10.84	428.2	1.35	19.71
IHC, PPM HEXANE			15			COLD STAB	.55	3.38	426.4	.66	20.48
ICO(ACTUAL), PCT			.02			HOT TRANS	.75	5.29	367.3	1.12	23.48
						1975 FTP	.83	5.43	410.7	.93	21.04
COMMENTS: LIMITER CAP OK, IRPM +110 RPM.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
9011	79	VOLV	264G	163	1	COLD TRANS	.07	.72	562.4	.83	15.74
IHC, PPM HEXANE			60			COLD STAB	.01	.46	585.8	.47	15.13
ICO(ACTUAL), PCT			1.60			HOT TRANS	.12	1.48	552.8	.48	15.98
						1975 FTP	.05	.79	572.0	.54	15.48
COMMENTS: LIMITER CAP OK.											
9012	79	OLDS	DELT	350	1	COLD TRANS	1.28	23.90	648.4	2.70	12.86
IHC, PPM HEXANE			10			COLD STAB	.18	4.40	651.0	1.14	13.48
ICO(ACTUAL), PCT			.01			HOT TRANS	.43	7.60	566.8	2.43	15.30
						1975 FTP	.48	9.29	627.5	1.81	13.79
COMMENTS: MIXTURE ADJ. PLUG OK.											
7013	77	CHRY	CORD	360	1	COLD TRANS	1.37	17.91	782.8	1.45	10.89
IHC, PPM HEXANE			80			COLD STAB	.38	12.15	900.9	1.08	9.63
ICO(ACTUAL), PCT			3.20			HOT TRANS	.34	4.65	759.2	1.75	11.56
						1975 FTP	.57	11.29	837.9	1.34	10.35
COMMENTS: LIMITER CAP MIS, TAC SENSOR DEF, AIR PUMP BELT LOOSE.											
6014	76	BUIC	SKYL	231	1	COLD TRANS	3.95	60.78	522.9	7.65	14.07
IHC, PPM HEXANE			1000			COLD STAB	2.14	46.83	503.5	5.42	15.20
ICO(ACTUAL), PCT			5.30			HOT TRANS	2.26	32.76	471.1	7.97	16.76
						1975 FTP	2.55	45.86	498.6	6.58	15.34
COMMENTS: LIMITER CAP MIS, IDLE SOLENOID LOOSE, TAC SENSOR DEF. RADIATOR HOSE USED FOR TAC HEATED AIR DUCT. EGR HOSE OFF AT VALVE. PRI.AND SEC.CHOKE PULL OFF DEF.AIR CLEANR CENTER HOLE CRACKED OUT.											
8015	78	FORD	FIES	98	1	COLD TRANS	1.14	14.01	330.9	1.72	24.89
IHC, PPM HEXANE			970			COLD STAB	.32	2.28	359.0	.94	24.41
ICO(ACTUAL), PCT			3.75			HOT TRANS	.38	1.25	281.2	1.71	31.21
						1975 FTP	.51	4.41	332.0	1.31	26.06
COMMENTS: LIMITER CAP MIS, HEATER AIR DUCT MIS, ENGINE VALVE NOISY. PCV VENT FILTER MISS. AIR FILTER DIRTY AND BENT.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5016	75	HOND	STAW	91	1	COLD TRANS	8.92	57.52	369.2	1.68	18.19
IHC, PPM HEXANE			350			COLD STAB	.63	10.59	399.4	1.26	21.23
ICO(ACTUAL), PCT			.20			HOT TRANS	.87	12.23	352.8	1.72	23.68
						1975 FTP	2.40	20.70	380.5	1.47	21.10
COMMENTS: LIMITER CAP OK, IRPM +250 RPM, DIST ADV COOLANT SENSOR DEF. PCV ORFICE PLUGGED.											
8017	78	PONT	SUNB	151	1	COLD TRANS	2.04	26.55	480.6	.84	16.79
IHC, PPM HEXANE			520			COLD STAB	.39	9.90	541.3	.78	15.90
ICO(ACTUAL), PCT			7.00			HOT TRANS	.94	11.81	423.9	.91	19.93
						1975 FTP	.88	13.85	496.8	.83	17.03
COMMENTS: MIXTURE ADJ PLUG OK. IRPM +200 RPM. DEF EFC EXH SENSOR.											
8018	78	PONT	SUNB	151	1	COLD TRANS	2.70	61.34	464.1	.73	15.60
IHC, PPM HEXANE			95			COLD STAB	.51	11.94	561.0	.79	15.27
ICO(ACTUAL), PCT			3.50			HOT TRANS	.82	18.19	427.9	.89	19.33
						1975 FTP	1.05	23.81	504.7	.80	16.27
COMMENTS: MIXTURE ADJ. PLUG OK,IDLE RPM -325 RPM,DEF EFC VACUUM MODULATOR.											
6019	76	OLDS	CUTL	260	1	COLD TRANS	5.65	64.32	644.8	5.51	11.62
IHC, PPM HEXANE			600			COLD STAB	2.51	39.34	569.9	3.99	13.88
ICO(ACTUAL), PCT			3.50			HOT TRANS	2.29	30.06	569.7	5.70	14.22
						1975 FTP	3.09	41.95	585.3	4.77	13.43
COMMENTS: LIMITER CAP MIS,TIMING -4,FRESH AIR DUCT WORN,PCV VENT HOSE SPLIT.											
8020	78	PONT	SUNB	151	1	COLD TRANS	5.74	108.55	351.7	1.40	16.42
IHC, PPM HEXANE			390			COLD STAB	3.69	99.08	341.0	.53	17.46
ICO(ACTUAL), PCT			9.90			HOT TRANS	3.32	89.33	311.6	.56	19.19
						1975 FTP	4.01	98.37	335.2	.72	17.66
COMMENTS: MIXTURE ADJ.PLUG OK,TIMING +6,TAC SENSOR DEF,DEF EFC EXHAUST SENSOR CHOKE PLATE NOT CENTERED IN AIR HORN.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5021	75	VOLK	RABB	90	1	COLD TRANS	10.67	94.57	357.4	1.79	16.44
IHC, PPM HEXANE			100			COLD STAB	2.20	24.48	422.9	1.53	18.95
ICO(ACTUAL), PCT			5.00			HOT TRANS	2.69	41.92	337.5	1.91	21.55
						1975 FTP	4.08	43.66	386.2	1.69	18.98
COMMENTS: MIXTURE ADJ.PLUG OK,HEATED AIR DUCT MISSING,EMISSION STICKER TORN. EGR VALV HAS NO RPM DROP ON 1ST OR 2ND STAGE.PCV VENT VAL SPLIT OPN											
8022	78	PONT	SUNB	151	1	COLD TRANS	.60	15.77	427.5	.84	19.54
IHC, PPM HEXANE			60			COLD STAB	.23	7.24	340.0	.59	25.21
ICO(ACTUAL), PCT			.50			HOT TRANS	.27	9.50	413.2	.62	20.69
						1975 FTP	.32	9.61	378.0	.65	22.52
COMMENTS: MIXTURE ADJ. PLUG OK. TAC FRESH AIR HOSE NOT CONNECTED. VACUUM OVER SPEC NEEDED TO LEAN CARB.											
8023	78	SAAB	99GL	121	1	COLD TRANS	1.09	14.99	442.6	.76	18.90
IHC, PPM HEXANE			90			COLD STAB	.10	1.99	453.1	.60	19.44
ICO(ACTUAL), PCT			3.75			HOT TRANS	.28	6.88	384.2	.79	22.42
						1975 FTP	.35	6.00	432.1	.68	20.05
COMMENTS: MIXTURE ADJ.PLUG OK, IRPM +375 RPM,CO ADJUSTING ROD PLUG MISSING. DIST VACUUM ADVANCE DELAY VALVE MISSING.											
8024	78	FORD	STAW	140	1	COLD TRANS	1.43	19.28	560.0	.55	14.92
IHC, PPM HEXANE			60			COLD STAB	.35	2.53	564.8	.38	15.57
ICO(ACTUAL), PCT			.01			HOT TRANS	.39	4.04	473.6	.48	18.44
						1975 FTP	.58	6.39	538.9	.44	16.11
COMMENTS: LIMITER CAP OK. IRPM -250 RPM. VAC HOSE FOR FEEDBACK CARB VAC REG SOLENOID CUT AT INTAKE MANIFOLD. DIST VAC ADVANCE LINE CUT AT INTAKE MANIFOLD.											
9025	79	FORD	PINT	140	1	COLD TRANS	1.19	16.94	433.1	1.68	19.15
IHC, PPM HEXANE			20			COLD STAB	.32	1.23	418.8	.87	21.04
ICO(ACTUAL), PCT			.01			HOT TRANS	.81	11.81	362.3	1.26	23.15
						1975 FTP	.63	7.35	406.3	1.14	21.14
COMMENTS: LIMITER CAP OK, FAST IDLE +400 RPM.											

APPENDIX C

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SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
8026	78	PONT	SUNB	151	1	COLD TRANS	1.42	25.24	372.7	.39	21.29
IHC, PPM HEXANE				10		COLD STAB	.11	3.89	453.1	.37	19.31
ICO(ACTUAL), PCT				.01		HOT TRANS	.28	5.71	339.1	.40	25.43
						1975 FTP	.43	8.78	405.5	.38	21.10
COMMENTS: MIXTURE ADJ. PLUG OK.											
9027	79	CHEV	CAMA	305	1	COLD TRANS	.75	14.65	738.4	1.58	11.62
IHC, PPM HEXANE				15		COLD STAB	.12	.03	799.0	1.58	11.10
ICO(ACTUAL), PCT				.01		HOT TRANS	.25	1.67	685.4	1.60	12.89
						1975 FTP	.29	3.49	755.5	1.59	11.65
COMMENTS: MIXTURE ADJ. PLUG OK.											
9028	79	CHEV	CAMA	305	1	COLD TRANS	1.04	19.00	707.1	1.65	11.99
IHC, PPM HEXANE				20		COLD STAB	.16	.13	719.3	1.14	12.33
ICO(ACTUAL), PCT				.01		HOT TRANS	.28	1.70	606.8	1.52	14.54
						1975 FTP	.38	4.44	686.1	1.35	12.78
COMMENTS: MIXTURE ADJ. PLUG OK.											
8029	78	PONT	SUNB	151	1	COLD TRANS	2.98	41.09	431.9	1.66	17.54
IHC, PPM HEXANE				150		COLD STAB	.17	7.93	422.3	.81	20.39
ICO(ACTUAL), PCT				.40		HOT TRANS	.47	9.97	400.3	.94	21.26
						1975 FTP	.83	15.31	418.3	1.02	19.95
COMMENTS: MIXTURE ADJ.PLUG OK, CARB VENT HOSE NOT CONNECTED TO CANISTER. VACUUM OVER SPEC NEEDED TO LEAN FEC CARB.											
8030	78	VOLV	2646	163	1	COLD TRANS	2.35	14.46	588.6	1.79	14.34
IHC, PPM HEXANE				235		COLD STAB	1.05	30.95	603.5	1.38	13.54
ICO(ACTUAL), PCT				2.35		HOT TRANS	.45	3.09	502.1	1.08	17.46
						1975 FTP	1.15	19.95	572.8	1.38	14.60
COMMENTS: LIMITER CAP OK, IRPM -250 RPM, MECH VALVE NOISY. OXYGEN SENSOR FEEDBACK SYSTEM RICH. PURGE CONTROL VALVE HOSE TO CANISTER SPLIT AT CONTROL VALVE.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
8031	78	PONT	SUNB	151	1	COLD TRANS	6.73	130.78	373.9	.60	14.77
IHC, PPM HEXANE			900			COLD STAB	7.28	131.59	411.8	.53	13.83
ICO(ACTUAL), PCT			9.90			HOT TRANS	5.14	108.50	327.2	.64	17.27
						1975 FTP	6.58	125.12	380.9	.58	14.83
COMMENTS: MIXTURE ADJ.PLUG OK, IRPM -425 RPM, DEF EFC EXHAUST SENSOR. FUEL FILTER LEAK.											
8032	78	PONT	SUNB	151	1	COLD TRANS	1.15	23.34	483.7	.65	16.94
IHC, PPM HEXANE			15			COLD STAB	.05	4.96	533.0	.53	16.41
ICO(ACTUAL), PCT			.01			HOT TRANS	.33	4.62	419.3	.56	20.75
						1975 FTP	.35	8.65	491.9	.56	17.52
COMMENTS: MIXTURE ADJ. PLUG OK.											
8033	78	PONT	SUNB	151	1	COLD TRANS	3.93	95.68	378.1	.40	16.41
IHC, PPM HEXANE			325			COLD STAB	3.96	86.70	421.6	.35	15.56
ICO(ACTUAL), PCT			4.90			HOT TRANS	3.08	77.99	324.8	.32	19.41
						1975 FTP	3.71	86.17	386.2	.35	16.64
COMMENTS: MIXTURE ADJ PLUG OK. IRPM -325. ELECTRONIC FUEL CONTROL MALFUNCTION											
5034	75	FORD	GRAN	351	1	COLD TRANS	10.45	179.97	705.4	1.14	8.69
IHC, PPM HEXANE			30			COLD STAB	1.51	26.68	785.2	1.00	10.67
ICO(ACTUAL), PCT			.30			HOT TRANS	2.50	77.33	672.5	1.02	11.07
						1975 FTP	3.62	72.05	738.1	1.04	10.29
COMMENTS: LIMITER CAP MIS, TAC SENSOR DEF, HEATED AIR DUCT MISSING. CHOKE PULL OFF DIAPHRAGM DEF.VACUUM ADVANCE DEF ON RETARD AND ADV. EGR COOLANT SENSOR DEF.											
8035	78	PONT	SUNB	151	1	COLD TRANS	2.85	85.74	450.1	.33	14.94
IHC, PPM HEXANE			240			COLD STAB	1.43	65.14	520.9	.13	14.14
ICO(ACTUAL), PCT			6.00			HOT TRANS	1.99	69.14	385.7	.19	17.73
						1975 FTP	1.87	70.47	469.4	.19	15.14
COMMENTS: MIXTURE ADJ. PLUG OK, DEF EFC EXHAUST SENSOR. CARB BOWL HOSE NOT CONNECTED.											

APPENDIX C

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
8036	78	PONT	SUNB	151	1	COLD TRANS	1.78	41.50	444.5	1.47	17.22
IHC, PPM HEXANE				15		COLD STAB	.11	4.91	416.9	.62	20.89
ICO(ACTUAL), PCT				.01		HOT TRANS	.33	11.09	398.1	.59	21.31
						1975 FTP	.52	14.13	417.4	.79	20.11
COMMENTS: MIXTURE ADJ.PLUG OK, FAST IDLE RPM -400. EXHAUST MANIFOLD GASKET LEAK. VENT HOSE TO CARB. BOWL NOT CONNECTED.											
6037	76	PONT	GRNP	350	1	COLD TRANS	4.22	50.78	742.3	4.23	10.62
IHC, PPM HEXANE				20		COLD STAB	.48	2.23	712.1	3.56	12.38
ICO(ACTUAL), PCT				.01		HOT TRANS	1.11	7.69	618.7	5.02	13.99
						1975 FTP	1.42	13.71	692.8	4.10	12.35
COMMENTS: LIMITER CAP MIS. EGR BACK PRESSURE TRANSDUCER VALVE DEF.											
9038	79	FORD	THUN	351	1	COLD TRANS	1.05	24.74	820.8	3.49	10.28
IHC, PPM HEXANE				60		COLD STAB	.19	7.29	887.8	1.73	9.86
ICO(ACTUAL), PCT				1.10		HOT TRANS	.66	13.43	740.8	2.51	11.62
						1975 FTP	.50	12.55	833.9	2.30	10.38
COMMENTS: LIMITER CAPS OK.											
8039	78	PONT	SUNB	151	1	COLD TRANS	6.60	84.35	399.0	1.86	16.07
IHC, PPM HEXANE				400		COLD STAB	1.91	60.00	395.1	1.77	17.92
ICO(ACTUAL), PCT				7.30		HOT TRANS	1.43	31.25	388.8	2.55	20.06
						1975 FTP	2.75	57.17	394.2	2.00	18.01
COMMENTS: MIXTURE ADJ. PLUG OK, CARB EFC DIAPHP HOSE CONNECTED TO EGR TVS. EFC MODULATOR TO CARB DIAPHRAM LINE CONNECTED TO VENT. VAC LINE TO VAC BREAK CNNCTD TO CANISTER. EFE VAC LINE NOT CNNCTD. PORTED VAC LINE CONNECTED TO INTAKE MANIFOLD LINE. DIST ADV LINE CNNCTD TO EFC VENT LINE.HOSE TO CARB BOWL NOT CNNCTD. EGR VAL HOSE CONNECTED TO EFC MODULATOR VAC OUTPUT. EGR TVS HOSE CONNECTED TO CARB EFC DIAPHRAGM.											
6040	76	FORD	STAW	140	1	COLD TRANS	6.82	22.59	486.3	2.94	16.33
IHC, PPM HEXANE				30		COLD STAB	1.78	9.90	479.2	3.02	17.74
ICO(ACTUAL), PCT				.20		HOT TRANS	2.62	11.31	430.7	3.67	19.43
						1975 FTP	3.05	12.90	467.4	3.18	17.85
COMMENTS: LIMITER CAP MIS, AIR FILTER MISSING, TIMING -6, WRONG GAS CAP. EGR VALVE STEM MOVE, NL RPM DROP.											

APPENDIX C

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
8041	78	PONT	SUNB	151	1	COLD TRANS	1.98	50.14	445.8	1.41	16.72
IHC, PPM HEXANE			200			COLD STAB	.28	14.14	465.9	.49	18.15
ICO(ACTUAL), PCT			6.95			HOT TRANS	.60	18.61	434.3	.61	19.07
						1975 FTP	.71	22.77	453.1	.71	18.07
COMMENTS: MIXTURE ADJ.PLUG OK, IRPM +200 RPM, DEF EFC EXHAUST SENSOR.											
8042	78	FORD	PINT	140	1	COLD TRANS	1.30	10.47	462.9	2.44	18.36
IHC, PPM HEXANE			200			COLD STAB	.49	1.46	404.8	1.16	21.72
ICO(ACTUAL), PCT			4.00			HOT TRANS	.63	3.06	347.4	1.60	25.06
						1975 FTP	.69	3.75	401.1	1.54	21.69
COMMENTS: LIMITER CAP OK. ELECTRNC FUEL CNTRL DIAPHRAM DOESNT LEAN WITH VAC.											
9043	79	FORD	GRAN	302	1	COLD TRANS	.79	9.03	706.7	2.75	12.27
IHC, PPM HEXANE			350			COLD STAB	.30	.18	641.5	1.18	13.81
ICO(ACTUAL), PCT			99.99			HOT TRANS	.35	2.81	417.3	1.45	20.99
						1975 FTP	.41	2.72	593.7	1.58	14.81
COMMENTS: MIXTURE ADJ PLUG OK. EGR VALVE DEFECTIVE.											
8044	78	PONT	SUNB	151	1	COLD TRANS	2.48	45.46	397.7	2.15	18.61
IHC, PPM HEXANE			350			COLD STAB	.29	10.41	392.8	.86	21.64
ICO(ACTUAL), PCT			10.20			HOT TRANS	.64	16.07	354.8	.58	23.23
						1975 FTP	.84	19.17	383.4	1.05	21.33
COMMENTS: MIXTURE ADJ.PLUG OK, AIR COND SOLENOID MALADJUSTED. DEF EFC EXHAUST SENSOR, FAST IDLE -1100 RPM. EFC FRESH AIR VENT HOSE NOT CONNECTED AT CHECK VALVE. EXHAUST MANIFOLD GASKET LEAK.											
6045	76	FORD	GRAN	302	1	COLD TRANS	5.24	88.75	608.9	4.45	11.60
IHC, PPM HEXANE			20			COLD STAB	4.35	91.87	586.8	2.45	11.91
ICO(ACTUAL), PCT			2.25			HOT TRANS	4.38	85.18	514.9	3.36	13.39
						1975 FTP	4.54	89.40	571.7	3.11	12.21
COMMENTS: LIMITER CAP MIS,TAC SENSOR DEF,FRESH AIR DUCT WORN,WRONG AIR FLTR. BB IN VACUUM LINE BEFORE EGR PVS. AIR BY PASS VALVE VACUUM HOSE PLUGGED BEFORE PVS.											

APPENDIX C

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SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
8046	78	FORD	STAW	140	1	COLD TRANS	2.14	32.48	498.6	1.46	15.95
IHC, PPM HEXANE			10			COLD STAB	.40	1.74	520.7	.93	16.92
ICO(ACTUAL), PCT			10.01			HOT TRANS	.97	16.24	432.0	1.20	19.27
						1975 FTP	.91	12.02	491.9	1.11	17.28
COMMENTS: LIMITER CAP OK.											
8047	78	VOLV	242G	130	1	COLD TRANS	.99	12.67	487.7	.98	17.38
IHC, PPM HEXANE			60			COLD STAB	.03	.82	534.5	.28	16.56
ICO(ACTUAL), PCT			2.80			HOT TRANS	.11	2.20	451.8	.55	19.48
						1975 FTP	.25	3.64	502.3	.50	17.44
COMMENTS: MIXTURE ADJ.PLUG OK, CO ADJ ROD AND PLUG MISSING.											
6048	76	BUIC	REGA	350	1	COLD TRANS	6.27	76.41	649.9	4.84	11.24
IHC, PPM HEXANE			350			COLD STAB	1.62	40.69	622.9	4.11	12.83
ICO(ACTUAL), PCT			2.20			HOT TRANS	2.26	44.29	564.8	5.33	13.83
						1975 FTP	2.75	49.02	612.6	4.59	12.71
COMMENTS: LIMITER CAP MIS, CHOKE NOTCH +3, PRI VAC BREAK -.130, SEC OK. EGR VAL DIAPHRAGM LEAKS. EGR HOSE PLUGGED AT EGR VALVE.											
8049	78	PONT	SUNB	151	1	COLD TRANS	.19	6.35	443.7	1.22	19.54
IHC, PPM HEXANE			25			COLD STAB	.12	3.02	453.2	.84	19.37
ICO(ACTUAL), PCT			.05			HOT TRANS	.23	7.05	416.8	1.18	20.71
						1975 FTP	.16	4.80	441.3	1.01	19.75
COMMENTS: MIXTURE ADJ.PLUG OK, CARB VENT HOSE NOT CONNECTED.											
8050	78	PONT	SUNB	151	1	COLD TRANS	2.05	36.82	436.3	.39	17.73
IHC, PPM HEXANE			10			COLD STAB	.36	15.63	539.3	.17	15.71
ICO(ACTUAL), PCT			.02			HOT TRANS	.75	29.16	394.1	.26	20.07
						1975 FTP	.81	23.68	478.5	.24	17.13
COMMENTS: MIXTURE ADJ.PLUG OK, VAC ADVANCE HOSE NOT CONNECTED. VACUUM ADVANCE COOLANT SENSOR DEF. EXHAUST PIPE LEAK AT CATALYST.											

APPENDIX C

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LOS ANGELES

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
9051	79	FORD	STAW	140	1	COLD TRANS	1.23	18.66	493.0	.36	16.87
IHC, PPM HEXANE				30		COLD STAB	.47	5.14	495.7	.70	17.56
ICO(ACTUAL), PCT				.01		HOT TRANS	.68	11.87	411.8	.70	20.52
						1975 FTP	.68	9.76	472.3	.63	18.12
COMMENTS: LIMITER CAP OK.TAC HEAT HOSE NOT CNNCTED.PLUG MISSING ON AIR CLEANR											
9052	79	FORD	PINT	140	1	COLD TRANS	1.09	19.42	378.9	1.48	21.50
IHC, PPM HEXANE				40		COLD STAB	.38	1.02	422.1	.79	20.89
ICO(ACTUAL), PCT				.02		HOT TRANS	.63	2.48	357.6	1.25	24.42
						1975 FTP	.59	5.21	395.6	1.06	21.88
COMMENTS: MIXTURE ADJ. PLUG OK. IRPM +150 RPM. TAC SENSOR DEF.											
9053	79	FORD	STAW	140	1	COLD TRANS	.48	8.55	432.5	1.26	19.84
IHC, PPM HEXANE				15		COLD STAB	.12	.69	393.2	.72	22.49
ICO(ACTUAL), PCT				.01		HOT TRANS	.19	5.04	367.8	.91	23.58
						1975 FTP	.21	3.50	394.4	.88	22.16
COMMENTS: LIMITER CAP OK.											
9054	79	FORD	PINT	140	1	COLD TRANS	.80	4.74	422.1	2.22	20.54
IHC, PPM HEXANE				20		COLD STAB	.32	1.13	409.8	.92	21.51
ICO(ACTUAL), PCT				.01		HOT TRANS	.28	1.89	345.5	1.48	25.40
						1975 FTP	.41	2.08	394.8	1.34	22.22
COMMENTS: LIMITER CAP OK.											
9055	79	FORD	PINT	140	1	COLD TRANS	1.00	9.50	459.3	1.72	18.59
IHC, PPM HEXANE				25		COLD STAB	.34	2.63	458.1	1.09	19.16
ICO(ACTUAL), PCT				.05		HOT TRANS	.58	3.98	392.3	1.55	22.17
						1975 FTP	.54	4.42	440.4	1.35	19.77
COMMENTS: LIMITER CAP OK. IRPM -250 RPM, CHOKE PULL DOWN .085 RICH. NO CALIBRATION NO.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS
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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
9056	79	FORD	STAW	140	1	COLD TRANS	.82	6.96	472.6	1.66	18.26
IHC, PPM HEXANE			50			COLD STAB	.41	2.66	476.4	.81	18.42
ICO(ACTUAL), PCT			.10			HOT TRANS	.41	3.48	408.3	1.06	21.38
						1975 FTP	.49	3.77	457.0	1.05	19.11
COMMENTS: LIMITER CAP OK. IRPM -200 RPM.											
9057	79	FORD	STAW	140	1	COLD TRANS	.44	10.00	526.5	2.14	16.33
IHC, PPM HEXANE			20			COLD STAB	.17	.38	468.9	.84	18.88
ICO(ACTUAL), PCT			.01			HOT TRANS	.18	1.39	424.4	1.11	20.78
						1975 FTP	.23	2.64	468.6	1.18	18.75
COMMENTS: LIMITER CAP OK.											
9058	79	FORD	PINT	140	1	COLD TRANS	.47	5.99	429.4	1.18	20.16
IHC, PPM HEXANE			10			COLD STAB	.20	.18	420.3	.66	21.07
ICO(ACTUAL), PCT			.01			HOT TRANS	.20	1.11	362.1	.97	24.35
						1975 FTP	.25	1.63	406.3	.85	21.67
COMMENTS: LIMITER CAP OK.											
9059	79	FORD	STAW	140	1	COLD TRANS	.71	8.16	500.7	1.72	17.21
IHC, PPM HEXANE			20			COLD STAB	.42	2.61	492.9	.91	17.81
ICO(ACTUAL), PCT			.01			HOT TRANS	.36	2.06	408.4	1.39	21.50
						1975 FTP	.47	3.60	471.5	1.21	18.54
COMMENTS: LIMITER CAP OK, IRPM +175 RPM, TIMING -3.											
8060	78	PONT	SUNB	151	1	COLD TRANS	1.48	20.53	444.6	1.71	18.43
IHC, PPM HEXANE			200			COLD STAB	.35	7.44	493.7	1.61	17.52
ICO(ACTUAL), PCT			6.75			HOT TRANS	.64	8.55	382.1	1.69	22.32
						1975 FTP	.66	10.44	453.1	1.65	18.82

COMMENTS: MIXTURE ADJ. PLUG OK. IRPM -350 RPM.
EGR VACUUM HOSE NOT CONNECTED AT VALVE.
ELECTRONIC FUEL CONTROL EXHAUST SENSOR DEF.

APPENDIX C

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SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
8061	78	PONT	SUNB	151	1	COLD TRANS	1.88	30.78	438.3	1.86	18.02
IHC, PPM HEXANE				10		COLD STAB	.09	3.89	448.7	1.16	19.50
ICO(ACTUAL), PCT				.02		HOT TRANS	.28	9.33	400.9	.72	21.31
						1975 FTP	.51	10.91	433.5	1.18	19.62
COMMENTS: MIXTURE ADJ PLUG OK. IRPM +125 RPM. FAST IDLE SCREW NOT TOUCHNG CAM PCV HSE TO CANISTR NOT CONNECTED. CARB VENT HSE NOT CNNCTD AT CAN.											
9062	79	DODG	MAGN	360	1	COLD TRANS	1.52	32.40	726.1	3.83	11.35
IHC, PPM HEXANE				70		COLD STAB	.19	.51	746.8	3.16	11.86
ICO(ACTUAL), PCT				2.00		HOT TRANS	.59	1.67	630.6	4.79	13.97
						1975 FTP	.57	7.39	710.8	3.74	12.25
COMMENTS: LIMITER CAP OK.VAC HOSE TO TAC AND ELCTRNC SPARK CONTROL OFF.											
9062	79	DODG	MAGN	360	2	COLD TRANS	.80	17.60	766.7	1.75	11.14
IHC, PPM HEXANE				100		COLD STAB	.15	1.61	775.7	1.05	11.40
ICO(ACTUAL), PCT				4.20		HOT TRANS	.22	1.98	632.0	2.02	13.96
						1975 FTP	.30	5.00	734.6	1.46	11.94
COMMENTS: HOOK UP TAC AND EL SPK CNTRL VAC.											
7063	77	PONT	GRNP	350	1	COLD TRANS	9.25	123.40	726.7	1.66	9.34
IHC, PPM HEXANE				110		COLD STAB	.71	.61	651.4	2.47	13.56
ICO(ACTUAL), PCT				.01		HOT TRANS	1.11	3.70	574.4	3.29	15.20
						1975 FTP	2.57	26.73	645.9	2.53	12.75
COMMENTS: LIMITER CAP MIS, EGR CALVE DEF, DIVERTER VALVE VACUUM HOSE MISSING. VAC LINE FOR REAR VAC BREAK CUT AND ROUTED TO DIST TVS. REAR VAC BREAK LINE FROM SECONDARY TVS CUT AND ROUTED TO DIST ADV.											
8064	78	FORD	PINT	140	1	COLD TRANS	1.82	20.61	489.8	1.07	16.81
IHC, PPM HEXANE				15		COLD STAB	.34	2.17	452.0	1.00	19.44
ICO(ACTUAL), PCT				.01		HOT TRANS	.89	7.41	416.5	.98	20.60
						1975 FTP	.79	7.40	450.1	1.01	19.12
COMMENTS: LIMITER CAP OK, IRPM -70 RPM, TIMING -3.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5065	75	FORD	STAW	140	1	COLD TRANS	4.06	37.47	572.0	1.51	13.79
IHC, PPM HEXANE				350		COLD STAB	3.20	6.88	631.3	.92	13.61
ICO(ACTUAL), PCT				.06		HOT TRANS	2.95	20.47	516.9	1.24	15.89
						1975 FTP	3.31	16.88	587.9	1.13	14.20
COMMENTS: LIMITER CAP MIS, VAC HOSE TO TAC SENSOR AND AIR DUCT NOT CONNECTED. IRPM +150 RPM,EGR VACUUM AMPLIFIER STUCK CLOSED,ENGINE VALVE NOISY.											
7066	77	MERC	MONA	302	1	COLD TRANS	7.75	100.53	543.8	3.84	12.22
IHC, PPM HEXANE				580		COLD STAB	6.31	83.20	492.0	1.18	13.81
ICO(ACTUAL), PCT				4.25		HOT TRANS	5.41	80.31	470.3	1.41	14.46
						1975 FTP	6.36	85.98	496.8	1.79	13.61
COMMENTS: LIMITER CAP MIS, IRPM -125 RPM, CHOKE VAC BREAK DEF, TIMING +4. EGR AND BPT DEF. OIL FILTER CAP DOES NOT SEAL.											
5067	75	FORD	PINT	140	1	COLD TRANS	3.97	74.79	443.9	1.86	15.46
IHC, PPM HEXANE				20		COLD STAB	1.53	58.80	446.7	1.13	16.32
ICO(ACTUAL), PCT				2.20		HOT TRANS	1.96	48.22	405.9	1.84	18.19
						1975 FTP	2.15	59.20	435.0	1.47	16.60
COMMENTS: LIMITER CAP OK, TAC AIR DUCT TORN, NO.1 SPARK PLUG WIRE DEF. THROTTLE LINK BRACKET BOLT MISSING AND LOOSE ON MANIFOLD. VAC ADV. SPARK DELAY VALVE MISSING. EGR PVS SENSOR DEF. VAC DELAY VALVE INSTALLED BEFORE EGR VALVE.											
8068	78	FORD	PINT	140	1	COLD TRANS	.45	11.42	548.6	1.61	15.63
IHC, PPM HEXANE				10		COLD STAB	.10	1.20	496.4	.72	17.80
ICO(ACTUAL), PCT				.01		HOT TRANS	.36	4.87	456.1	1.21	19.09
						1975 FTP	.24	4.31	496.2	1.03	17.62
COMMENTS: LIMITER CAP OK, IRPM +70 RPM.											
8069	78	PONT	STAW	151	1	COLD TRANS	1.64	27.91	425.2	2.26	18.71
IHC, PPM HEXANE				15		COLD STAB	.20	4.48	440.4	1.08	19.81
ICO(ACTUAL), PCT				.20		HOT TRANS	.33	8.61	336.0	.78	25.32
						1975 FTP	.53	10.43	408.8	1.24	20.79
COMMENTS: MIXTURE ADJ PLUG OK. FRESH AIR DUCT NOT CONNECTED.											

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
7070	77	OLDS	STAW	403	1	COLD TRANS	.67	10.89	792.2	4.12	10.94
IHC, PPM HEXANE				15		COLD STAB	.18	.54	790.0	3.11	11.21
ICO(ACTUAL), PCT				.01		HOT TRANS	.52	4.23	713.6	4.23	12.29
						1975 FTP	.38	3.68	769.6	3.62	11.43
COMMENTS: LIMITER CAP MIS, FRESH AIR DUCT WORN, TIMING -4. REAR VAC BREAK DEF. PCV VENT HOSE NOT CONNECTED AT VALVE COVER.											
9071	79	CADI	SEVI	350	1	COLD TRANS	2.93	39.64	665.3	2.49	12.04
IHC, PPM HEXANE				10		COLD STAB	.06	2.05	655.1	1.63	13.48
ICO(ACTUAL), PCT				.01		HOT TRANS	.39	4.65	586.7	2.62	14.91
						1975 FTP	.74	10.49	638.5	2.08	13.50
COMMENTS: MIXTURE ADJ. PLUG OK, IRPM -150 RPM.											
9072	79	FORD	PINT	140	1	COLD TRANS	.95	7.49	465.0	1.48	18.50
IHC, PPM HEXANE				10		COLD STAB	.32	1.79	453.5	.76	19.41
ICO(ACTUAL), PCT				.20		HOT TRANS	.73	3.70	393.9	1.25	22.08
						1975 FTP	.56	3.49	439.6	1.04	19.86
COMMENTS: LIMITER CAP OK, TIMING -4.											
9073	79	CHEV	NOVA	250	1	COLD TRANS	.65	11.53	629.5	2.37	13.66
IHC, PPM HEXANE				20		COLD STAB	.08	.18	581.1	1.59	15.26
ICO(ACTUAL), PCT				.01		HOT TRANS	.14	1.78	560.7	1.65	15.74
						1975 FTP	.22	2.95	585.5	1.77	15.02
COMMENTS: LIMITER CAP OK.FAST IDLE -600.EGR AND VAC ADV TVS,AND EGR VAL DEF.											
8074	78	PONT	SUNB	151	1	COLD TRANS	1.76	34.71	465.4	2.04	16.89
IHC, PPM HEXANE				40		COLD STAB	.06	3.48	447.8	.86	19.57
ICO(ACTUAL), PCT				.01		HOT TRANS	.31	7.33	411.3	1.30	20.94
						1975 FTP	.48	10.96	441.5	1.23	19.29
COMMENTS: MIXTURE ADJ.PLUG OK. NO.2 CYL LOW KV READING AND POWER FACTOR.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
8075	78	FORD	PINT	140	1	COLD TRANS	.48	8.41	472.5	1.69	18.22
IHC, PPM HEXANE				20		COLD STAB	.24	.92	449.0	1.45	19.67
ICO(ACTUAL), PCT				.02		HOT TRANS	.37	2.12	390.9	1.72	22.45
						1975 FTP	.32	2.79	438.0	1.57	20.02
COMMENTS: LIMITER CAP OK, IRPM +80 RPM.											
8076	78	PONT	STAW	151	1	COLD TRANS	1.67	21.23	490.5	.57	16.77
IHC, PPM HEXANE				90		COLD STAB	.62	10.79	534.5	.33	16.04
ICO(ACTUAL), PCT				.10		HOT TRANS	.55	10.25	422.3	.39	20.17
						1975 FTP	.82	12.79	494.8	.40	17.15
COMMENTS: MIXTURE ADJ.PLUG OK. AC SOLENOID ADJ OFF, NOT TOUCHING LINK. FAST IRPM -600. EFC MODULATOR VENT HOSE CLOSED OFF BY AIR FILTER.											
8077	78	FORD	STAW	140	1	COLD TRANS	1.93	32.67	568.6	1.22	14.18
IHC, PPM HEXANE				90		COLD STAB	.24	1.61	530.2	.82	16.64
ICO(ACTUAL), PCT				1.50		HOT TRANS	.36	3.79	493.0	1.16	17.75
						1975 FTP	.62	8.60	527.9	.99	16.33
COMMENTS: LIMITER CAP OK, TAC HEATED AIR DUCT NOT CONNECTED, TAC SENSOR DEF.											
8078	78	FORD	PINT	140	1	COLD TRANS	.65	16.85	537.5	1.17	15.68
IHC, PPM HEXANE				5		COLD STAB	.25	6.11	487.2	.58	17.83
ICO(ACTUAL), PCT				.01		HOT TRANS	.37	8.13	447.7	.78	19.22
						1975 FTP	.37	8.87	486.8	.76	17.68
COMMENTS: LIMITER CAP OK, IRPM +90 RPM.											
8079	78	PONT	SUNB	151	1	COLD TRANS	2.61	37.60	432.2	.30	17.77
IHC, PPM HEXANE				190		COLD STAB	.26	11.13	542.0	.25	15.84
ICO(ACTUAL), PCT				3.50		HOT TRANS	.57	14.18	422.7	.26	19.86
						1975 FTP	.83	17.41	486.9	.26	17.17
COMMENTS: MIXTURE ADJ PLUG OK. HEAT CONTROL VALVE LOOSE. EFC MODULATOR DEF.											

APPENDIX C

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
8080	78	FORD	PINT	140	1	COLD TRANS	3.45	45.15	395.9	1.44	18.58
IHC, PPM HEXANE			10			COLD STAB	.70	13.25	417.8	.56	20.13
ICO(ACTUAL), PCT			.01			HOT TRANS	.74	11.98	351.7	.99	23.80
						1975 FTP	1.28	19.47	395.3	.86	20.65
COMMENTS: LIMITER CAP MIS,IRPM +100 RPM,VAC LINE TO TAC SENSOR NOT CONNECTED. TIMING +3.											
8081	78	PONT	SUNB	151	1	COLD TRANS	1.04	20.45	477.7	.67	17.30
IHC, PPM HEXANE			30			COLD STAB	.09	2.79	525.8	.49	16.73
ICO(ACTUAL), PCT			.10			HOT TRANS	.16	3.06	404.4	.40	21.66
						1975 FTP	.30	6.50	482.8	.50	17.97
COMMENTS: MIXTURE ADJ. PLUG OK. IDLE SCREW SET HIGHER THAN SOLENOID.											
8082	78	FORD	PINT	140	1	COLD TRANS	2.29	16.77	463.3	1.23	17.86
IHC, PPM HEXANE			25			COLD STAB	.66	3.25	410.2	.88	21.26
ICO(ACTUAL), PCT			.01			HOT TRANS	1.24	7.94	356.6	1.24	23.79
						1975 FTP	1.15	7.31	406.5	1.05	21.05
COMMENTS: LIMITER CAP OK, IRPM -100 RPM, CHOKE PULL OFF .049 RICH. MECH ADV IS 850 RPM LATE TO START,THEN JUMPS AHEAD 11D AT 1900 RPM.											
8083	78	FORD	PINT	140	1	COLD TRANS	1.21	16.30	454.9	1.69	18.32
IHC, PPM HEXANE			20			COLD STAB	.36	.72	448.5	1.08	19.69
ICO(ACTUAL), PCT			.01			HOT TRANS	.44	2.53	389.4	1.50	22.48
						1975 FTP	.55	4.42	433.7	1.32	20.06
COMMENTS: LIMITER CAP OK, IRPM +150 RPM.											
8084	78	PONT	SUNB	151	1	COLD TRANS	4.29	78.80	391.9	.99	16.77
IHC, PPM HEXANE			450			COLD STAB	.13	6.62	413.7	.69	20.91
ICO(ACTUAL), PCT			7.00			HOT TRANS	.53	11.36	389.4	.63	21.70
						1975 FTP	1.10	22.77	402.6	.73	20.09
COMMENTS: MIXTURE ADJ. PLUG OK. ELECT FUEL CONTROL DEFECTIVE. FAST IDLE -1000 RPM. EX MANIFOLD LEAK. IDLE RPM -150.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE; SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
8085	78	FORD	STAW	140	1	COLD TRANS	.61	9.25	520.6	1.39	16.53
IHC, PPM HEXANE				15		COLD STAB	0.00	1.07	498.6	1.09	17.74
ICO(ACTUAL), PCT				.01		HOT TRANS	.20	3.12	435.6	1.07	20.12
						1975 FTP	.18	3.31	486.0	1.15	18.05
COMMENTS: LIMITER CAP MIS, IRPM +100 RPM.											
8086	78	PONT	SUNB	151	1	COLD TRANS	2.57	34.76	460.9	1.81	16.95
IHC, PPM HEXANE				200		COLD STAB	.22	8.70	482.1	.56	17.88
ICO(ACTUAL), PCT				2.50		HOT TRANS	.39	8.30	394.9	.60	21.69
						1975 FTP	.75	13.95	453.9	.83	18.56
COMMENTS: MIXTURE ADJ.PLUG OK. CANISTER HOSE AND TAC INLET HOSE NOT CONNECTED DEF CARB FEEDBACK DIAPHRAGM.											
9087	79	VOLK	RABB	89	1	COLD TRANS	1.64	23.98	344.8	.84	22.89
IHC, PPM HEXANE				100		COLD STAB	2.68	44.07	334.2	.14	21.55
ICO(ACTUAL), PCT				3.50		HOT TRANS	1.47	20.56	291.5	.32	27.02
						1975 FTP	2.13	33.52	324.7	.33	23.10
COMMENTS: MIXTURE ADJ. PLUG OK. TIMING +7. IRPM -275 RPM. DEF CATALYST.											
6088	76	FORD	TORI	351	1	COLD TRANS	2.94	53.62	868.1	1.18	9.23
IHC, PPM HEXANE				65		COLD STAB	.66	9.46	854.6	.83	10.18
ICO(ACTUAL), PCT				1.80		HOT TRANS	.98	14.82	742.6	1.29	11.54
						1975 FTP	1.22	20.01	826.8	1.03	10.29
COMMENTS: LIMITER CAP MIS. TAC SENSOR DEF. CHOKE PULL OFF DEF.											
8089	78	FORD	PINT	140	1	COLD TRANS	.55	8.91	505.4	2.20	17.03
IHC, PPM HEXANE				10		COLD STAB	.02	.08	438.7	1.41	20.22
ICO(ACTUAL), PCT				.01		HOT TRANS	.22	1.03	418.1	1.97	21.11
						1975 FTP	.18	2.16	446.8	1.73	19.69
COMMENTS: LIMITER CAP OK, TIMING +3, IRPM OK. CARB IDLE SCREW SET SAME AS SOLENOID.											

APPENDIX C

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LOS ANGELES

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
8090	78	PONT	SUNB	151	1	COLD TRANS	3.81	130.56	395.0	1.34	14.50
IHC, PPM HEXANE			360			COLD STAB	3.79	126.19	419.4	.38	14.09
ICO(ACTUAL), PCT			7.50			HOT TRANS	3.21	119.81	357.9	.51	15.95
						1975 FTP	3.64	125.35	397.6	.61	14.64
COMMENTS: MIXTURE ADJ. PLUG OK. TIMING -4. DEF EFC SYSTEM. OUTPUT AND VENT HOSES CROSSED.											
8091	78	PONT	SUNB	151	1	COLD TRANS	.95	15.21	503.2	.77	16.74
IHC, PPM HEXANE			15			COLD STAB	.06	2.71	550.5	.44	15.99
ICO(ACTUAL), PCT			.02			HOT TRANS	.31	7.19	423.9	.64	20.35
						1975 FTP	.31	6.50	506.2	.56	17.15
COMMENTS: MIXTURE ADJ. PLUG OK.											
6092	76	CHEV	CHET	98	1	COLD TRANS	1.95	53.09	401.8	.72	18.06
IHC, PPM HEXANE			145			COLD STAB	.91	14.42	437.6	.76	19.16
ICO(ACTUAL), PCT			.20			HOT TRANS	.86	29.42	387.9	.69	20.32
						1975 FTP	1.11	26.47	416.7	.73	19.22
COMMENTS: LIMITER CAP OK, SOLENOID IRPM OK, CARB LOW IRPM NOT TOUCHING. DIST VACUUM ADVANCE LEAKS, DEF. EXHAUST FLANGE GASKET LEAK.											
8093	78	VOLV	264G	163	1	COLD TRANS	.97	7.94	585.9	1.70	14.76
IHC, PPM HEXANE			40			COLD STAB	.05	1.38	586.8	.81	15.07
ICO(ACTUAL), PCT			.70			HOT TRANS	.22	3.93	532.3	1.21	16.46
						1975 FTP	.29	3.43	571.7	1.10	15.36
COMMENTS: MIXTURE ADJ.PLUG OK, IRPM +300 RPM, DEF AIR AUXILIARY VALVE.											
9094	79	PLYM	HORI	105	1	COLD TRANS	1.64	12.65	401.6	1.69	20.80
IHC, PPM HEXANE			75			COLD STAB	.07	4.30	390.3	.59	22.34
ICO(ACTUAL), PCT			.40			HOT TRANS	.21	2.37	369.9	1.37	23.71
						1975 FTP	.43	5.49	387.0	1.03	22.35
COMMENTS: LIMITER CAP OK.											

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SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
8095	78	PONT	SUNB	151	1	COLD TRANS	3.48	48.08	492.7	.51	15.32
IHC, PPM HEXANE			400			COLD STAB	.50	11.92	573.7	.43	14.94
ICO(ACTUAL), PCT			7.50			HOT TRANS	.80	17.91	440.9	.58	18.82
						1975 FTP	1.19	21.00	520.8	.49	15.92
COMMENTS: MIXTURE ADJ. PLUG OK. IRPM -250. DEF EFC MODULE. CANISTER HOSE OFF.											
8096	78	SAAB	99EM	121	1	COLD TRANS	.87	13.54	457.2	1.44	18.45
IHC, PPM HEXANE			50			COLD STAB	0.00	1.48	484.8	.81	18.22
ICO(ACTUAL), PCT			1.70			HOT TRANS	0.00	2.12	413.7	1.45	21.28
						1975 FTP	.18	4.14	459.7	1.11	19.01
COMMENTS: MIXTURE ADJ. PLUG OK, IRPM +75 RPM.											
5097	75	TOYO	STAW	97	1	COLD TRANS	4.15	26.74	483.7	2.19	16.47
IHC, PPM HEXANE			60			COLD STAB	1.02	7.57	529.9	1.45	16.28
ICO(ACTUAL), PCT			.50			HOT TRANS	1.37	9.08	443.8	2.16	19.19
						1975 FTP	1.76	11.93	496.9	1.79	17.03
COMMENTS: LIMITER CAP MIS, AIR FILTER CRUSHED, RESISTANCE IN IGNITION CIRCUIT AUXILIARY ACCELERATION PUMP VACUUM HOSE CRACKED OPEN. DWELL OFF +4 VAC ADVANCE LINE CRACKED OPEN.											
8098	78	FORD	PINT	140	1	COLD TRANS	.96	12.09	444.2	.97	19.04
IHC, PPM HEXANE			60			COLD STAB	.30	4.65	460.6	.73	18.93
ICO(ACTUAL), PCT			.30			HOT TRANS	.67	8.44	383.7	.68	22.24
						1975 FTP	.54	7.22	436.3	.77	19.75
COMMENTS: LIMITER CAP MIS, ENGINE CALIBRATION DECAL MISS.											
8099	78	FORD	PINT	140	1	COLD TRANS	1.65	14.57	403.3	1.37	20.57
IHC, PPM HEXANE			70			COLD STAB	.34	2.58	394.6	.74	22.20
ICO(ACTUAL), PCT			.01			HOT TRANS	.43	4.57	338.0	1.19	25.61
						1975 FTP	.63	5.59	380.9	.99	22.66
COMMENTS: LIMITER CAP OK, IRPM -100 RPM.											

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SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
8100	78	FORD	STAW	140	1	COLD TRANS	.66	11.73	528.2	1.10	16.17
IHC, PPM HEXANE				10		COLD STAB	.25	.54	462.0	.52	19.14
ICO(ACTUAL), PCT				.01		HOT TRANS	.45	1.34	429.1	1.00	20.52
						1975 FTP	.39	3.06	466.7	.77	18.78
COMMENTS: LIMITER CAP MIS, TIMING -5, IRPM -75 RPM.											
8101	76	FORD	ELIT	400	1	COLD TRANS	2.43	26.63	871.3	1.48	9.64
IHC, PPM HEXANE				15		COLD STAB	.57	1.71	967.6	1.00	9.13
ICO(ACTUAL), PCT				.02		HOT TRANS	1.82	4.99	787.8	1.72	11.07
						1975 FTP	1.29	7.73	898.7	1.29	9.70
COMMENTS: LIMITER CAP OK, CHOKE PULL OFF DEF, TIMING -5, AIR PUMP BELT CRACKD DEF. COLD START SPARK ADVANCE COOLANT SENSOR VALVE. TAC SENSOR DEF.											
8102	78	FORD	STAW	140	1	COLD TRANS	.58	9.75	503.8	1.79	17.04
IHC, PPM HEXANE				15		COLD STAB	.22	3.99	467.2	.77	18.72
ICO(ACTUAL), PCT				.30		HOT TRANS	.31	4.15	421.2	1.32	20.70
						1975 FTP	.32	5.22	462.2	1.13	18.83
COMMENTS: LIMITER CAP MIS, IRPM +60 RPM, FAST IDLE RPM +550 RPM. ENGINE CALIBRATION DECAL MISSING.											
8103	78	VOLV	264G	163	1	COLD TRANS	2.65	18.30	617.1	2.12	13.57
IHC, PPM HEXANE				100		COLD STAB	.00	2.40	562.5	.87	15.67
ICO(ACTUAL), PCT				.20		HOT TRANS	.17	4.04	527.9	1.80	16.60
						1975 FTP	.59	6.12	564.3	1.38	15.41
COMMENTS: MIXTURE ADJ. PLUG OK. IRPM -125 RPM. VALVES NOISY.											
8104	78	VOLV	264G	163	1	COLD TRANS	2.92	21.11	667.8	2.00	12.50
IHC, PPM HEXANE				110		COLD STAB	.03	3.38	586.0	1.46	15.01
ICO(ACTUAL), PCT				3.00		HOT TRANS	.83	22.45	532.1	1.25	15.57
						1975 FTP	.84	12.23	588.1	1.51	14.55
COMMENTS: MIXTURE ADJ. PLUG OK.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
9105	79	FORD	PINT	140	1	COLD TRANS	4.38	47.19	445.7	.42	16.63
IHC, PPM HEXANE			15			COLD STAB	.35	3.58	483.6	.46	18.10
ICO(ACTUAL), PCT			.02			HOT TRANS	.82	11.73	413.1	.43	20.44
						1975 FTP	1.31	14.78	456.6	.45	18.34
COMMENTS: LIMITER CAP OK. IRPM +180 RPM.											
8106	78	VOLV	264G	163	1	COLD TRANS	3.16	48.05	517.9	2.01	14.71
IHC, PPM HEXANE			100			COLD STAB	2.60	67.77	478.5	.70	14.96
ICO(ACTUAL), PCT			3.40			HOT TRANS	1.84	38.80	381.9	.71	19.78
						1975 FTP	2.51	55.81	460.2	.97	15.97
COMMENTS: MIXTURE ADJ. PLUG OK. IRPM -110 RPM, VALVES NOISY.											
8107	78	PONT	SUNB	151	1	COLD TRANS	1.94	22.06	452.1	.43	18.01
IHC, PPM HEXANE			65			COLD STAB	.19	6.29	511.5	.37	17.00
ICO(ACTUAL), PCT			.25			HOT TRANS	.48	7.16	399.1	.32	21.55
						1975 FTP	.63	9.77	468.6	.37	18.26
COMMENTS: MIXTURE ADJ.PLUG OK. IRPM -250 RPM. FRESH AIR DUCT NOT CONNECTED. CARB BOWL VENT HOSE NOT CONNECTED AT CANISTER.											
8108	78	FORD	PINT	140	1	COLD TRANS	.94	8.44	472.3	1.38	18.17
IHC, PPM HEXANE			30			COLD STAB	.46	1.69	452.5	.94	19.44
ICO(ACTUAL), PCT			.01			HOT TRANS	.54	3.51	377.0	1.18	23.10
						1975 FTP	.58	3.57	436.0	1.10	20.01
COMMENTS: LIMITER CAP OK. IRPM +175 RPM. TIMING -3.											
8109	78	VOLV	264	163	1	COLD TRANS	1.99	17.30	535.3	1.99	15.60
IHC, PPM HEXANE			10			COLD STAB	.16	4.81	546.3	1.47	16.01
ICO(ACTUAL), PCT			1.00			HOT TRANS	.39	5.49	497.9	1.54	17.48
						1975 FTP	.60	7.56	530.8	1.60	16.30
COMMENTS: LIMITER CAP OK, LEFT BANK CO NORM, RIGHT TOO RICH. POSSIBLY DEFECTIVE FUEL INJECTOR.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
9110	79	VOLV	STAW	130	1	COLD TRANS	.78	10.03	475.7	1.28	17.97
IHC, PPM HEXANE			10			COLD STAB	0.00	.31	525.4	.58	16.88
ICO(ACTUAL), PCT			.40			HOT TRANS	.05	.95	443.9	.92	19.92
						1975 FTP	.17	2.48	492.9	.82	17.84
COMMENTS: MIXTURE ADJ. PLUG OK.											
9111	79	VOLV	264G	163	1	COLD TRANS	1.13	11.48	535.9	1.06	15.92
IHC, PPM HEXANE			190			COLD STAB	.08	3.32	562.3	.71	15.63
ICO(ACTUAL), PCT			.40			HOT TRANS	.31	3.70	471.3	.90	18.56
						1975 FTP	.36	5.11	532.0	.83	16.40
COMMENTS: LIMITER CAPS OK. IDLE RPM -250.											
9112	79	VOLV	STAW	130	1	COLD TRANS	.98	10.70	485.6	.77	17.56
IHC, PPM HEXANE			110			COLD STAB	.04	2.30	516.5	.21	17.06
ICO(ACTUAL), PCT			1.00			HOT TRANS	.12	2.62	442.9	.59	19.84
						1975 FTP	.26	4.12	490.0	.43	17.85
COMMENTS: MIXTURE ADJ. PLUG OK. IRPM -200 RPM.											
9113	79	VOLV	242	131	1	COLD TRANS	1.04	12.42	488.2	1.12	17.37
IHC, PPM HEXANE			100			COLD STAB	.90	21.43	513.0	.32	16.15
ICO(ACTUAL), PCT			.80			HOT TRANS	.11	2.23	424.4	.55	20.72
						1975 FTP	.72	14.34	483.7	.55	17.45
COMMENTS: MIXTURE ADJ. PLUG OK. IRPM -125.											
9114	79	VOLV	244	130	1	COLD TRANS	3.06	17.88	503.7	.70	16.39
IHC, PPM HEXANE			50			COLD STAB	.04	1.00	488.5	.19	18.10
ICO(ACTUAL), PCT			.70			HOT TRANS	.12	1.56	446.1	.61	19.77
						1975 FTP	.68	4.63	480.1	.41	18.13
COMMENTS: MIXTURE ADJ. PLUG OK. IRPM +125 RPM.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
9115	79	VOLV	242	130	1	COLD TRANS	.08	.84	484.5	1.26	18.26
IHC, PPM HEXANE			50			COLD STAB	.02	.33	492.7	.70	17.99
ICO(ACTUAL), PCT			.50			HOT TRANS	.10	1.45	487.4	1.65	18.11
						1975 FTP	.05	.74	489.6	1.07	18.08
COMMENTS: MIXTURE ADJ. PLUG OK.											
9116	79	VOLV	STAW	130	1	COLD TRANS	.32	3.01	538.4	1.08	16.31
IHC, PPM HEXANE			50			COLD STAB	.01	.56	490.8	.23	18.05
ICO(ACTUAL), PCT			.60			HOT TRANS	.09	1.53	469.3	.87	18.80
						1975 FTP	.10	1.33	494.7	.58	17.85
COMMENTS: MIXTURE ADJ. PLUG OK.											
9117	79	VOLV	244	130	1	COLD TRANS	.85	11.23	487.5	1.03	17.48
IHC, PPM HEXANE			70			COLD STAB	.01	.15	527.5	.92	16.82
ICO(ACTUAL), PCT			.50			HOT TRANS	.06	1.25	440.0	.99	20.07
						1975 FTP	.20	2.73	495.4	.96	17.74
COMMENTS: MIXTURE ADJ. PLUG OK.											
9118	79	VOLV	244	130	1	COLD TRANS	.78	8.05	509.3	1.18	16.93
IHC, PPM HEXANE			50			COLD STAB	.03	.66	480.2	.29	18.44
ICO(ACTUAL), PCT			.60			HOT TRANS	.08	1.11	457.4	.63	19.32
						1975 FTP	.19	2.31	480.0	.57	18.33
COMMENTS: MIXTURE ADJ. PLUG OK. IRPM -125 RPM.											
9119	79	VOLV	264G	163	1	COLD TRANS	1.86	15.77	524.6	.91	15.98
IHC, PPM HEXANE			20			COLD STAB	.06	1.92	522.5	.39	16.88
ICO(ACTUAL), PCT			.60			HOT TRANS	.36	6.71	494.1	.62	17.55
						1975 FTP	.51	6.08	515.2	.56	16.86
COMMENTS: LIMITER CAP OK. CANISTER PURGE CONTROL VALVE HOSE DISCONNECTED.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
9120	79	VOLV	264	163	1	COLD TRANS	1.21	10.28	578.2	1.05	14.84
IHC, PPM HEXANE			50			COLD STAB	.06	2.23	653.3	.58	13.51
ICO(ACTUAL), PCT			.60			HOT TRANS	.24	2.90	536.9	.79	16.37
						1975 FTP	.34	4.07	606.1	.73	14.47
COMMENTS: LIMITER CAP OK. IRPM -250 RPM.											
9121	79	FORD	PINT	140	1	COLD TRANS	.97	6.85	461.5	1.91	18.67
IHC, PPM HEXANE			20			COLD STAB	.41	1.97	456.9	.83	19.24
ICO(ACTUAL), PCT			.02			HOT TRANS	.31	1.84	396.0	1.28	22.20
						1975 FTP	.50	2.94	441.2	1.17	19.84
COMMENTS: LIMITER CAP OK.											
9122	79	FORD	MUST	140	1	COLD TRANS	.97	5.04	474.7	1.45	18.27
IHC, PPM HEXANE			15			COLD STAB	.40	.69	520.6	.87	16.97
ICO(ACTUAL), PCT			.01			HOT TRANS	.69	1.00	424.1	1.41	20.74
						1975 FTP	.60	1.67	484.8	1.14	18.14
COMMENTS: LIMITER CAP OK.											
9123	79	FORD	PINT	140	1	COLD TRANS	.40	7.27	517.2	2.14	16.75
IHC, PPM HEXANE			10			COLD STAB	.16	.59	464.2	.68	19.06
ICO(ACTUAL), PCT			.01			HOT TRANS	.11	.92	422.4	1.29	20.92
						1975 FTP	.20	2.05	463.7	1.14	18.98
COMMENTS: LIMITER CAP OK.											
8124	78	PONT	SUNB	151	1	COLD TRANS	1.57	36.38	412.8	1.83	18.69
IHC, PPM HEXANE			175			COLD STAB	.20	9.82	412.1	.73	20.73
ICO(ACTUAL), PCT			3.50			HOT TRANS	.37	7.55	389.6	.86	22.04
						1975 FTP	.53	14.67	406.1	.99	20.60
COMMENTS: MIXTURE ADJ. PLUG OK. NO EMISSION DECAL. ELECTRONIC FUEL CONTROL MALFUNCTION.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
9125	79	FORD	PINT	140	1	COLD TRANS	.96	9.08	472.8	.98	18.11
IHC, PPM HEXANE			15			COLD STAB	.20	1.05	469.3	.65	18.82
ICO(ACTUAL), PCT			.01			HOT TRANS	.57	4.99	404.4	.77	21.44
						1975 FTP	.46	3.78	452.3	.75	19.31
COMMENTS: LIMITER CAP OK.											
9126	79	FORD	STAW	140	1	COLD TRANS	1.07	10.61	540.1	2.40	15.85
IHC, PPM HEXANE			40			COLD STAB	.25	1.61	522.4	.67	16.88
ICO(ACTUAL), PCT			.01			HOT TRANS	.47	2.76	446.6	1.11	19.62
						1975 FTP	.48	3.78	505.4	1.15	17.31
COMMENTS: LIMITER CAP OK, GAS CAP MISSING.											
9126	79	FORD	STAW	140	3	COLD TRANS	.95	9.39	503.5	2.14	17.03
IHC, PPM HEXANE			25			COLD STAB	.11	.82	498.4	.51	17.75
ICO(ACTUAL), PCT			.01			HOT TRANS	.31	2.23	419.6	.91	20.93
						1975 FTP	.34	2.97	478.0	.95	18.35
COMMENTS: ADJUST CO AND IRPM.											
8127	78	FORD	PINT	140	1	COLD TRANS	1.30	17.33	512.8	1.59	16.31
IHC, PPM HEXANE			550			COLD STAB	.62	2.89	458.1	.84	19.10
ICO(ACTUAL), PCT			10.00			HOT TRANS	.63	4.01	436.7	1.33	19.94
						1975 FTP	.76	6.17	463.5	1.13	18.66
COMMENTS: LIMITER CAP MIS, IRPM -250 RPM, TAC SENSOR DEF.											
9128	79	VOLV	STAW	130	1	COLD TRANS	.83	11.67	564.9	1.62	15.15
IHC, PPM HEXANE			10			COLD STAB	0.00	.26	465.3	.92	19.06
ICO(ACTUAL), PCT			.40			HOT TRANS	.07	1.39	528.1	1.22	16.73
						1975 FTP	.19	2.92	502.9	1.15	17.47
COMMENTS: MIXTURE ADJ. PLUG OK.											

APPENDIX C

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
6129	76	BUIC	REGA	350	1	COLD TRANS	3.83	66.74	686.9	4.74	11.04
IHC, PPM HEXANE				20		COLD STAB	.21	1.71	697.9	3.75	12.66
ICO(ACTUAL), PCT				.02		HOT TRANS	.63	6.57	601.7	4.87	14.45
						1975 FTP	1.07	16.42	669.4	4 26	12.71
COMMENTS: LIMITER CAP MIS.CHOKE 2 NOTCH LEAN AND AUXILIARY VAC BREAK.210 LEAN											
6130	76	BUIC	SKYL	350	1	COLD TRANS	3.88	43.87	656.6	7.65	12.03
IHC, PPM HEXANE				250		COLD STAB	.35	1.00	650.5	5.96	13.59
ICO(ACTUAL), PCT				.20		HOT TRANS	1.11	5.57	561.6	7.95	15.47
						1975 FTP	1.28	11.07	627.5	6.85	13.68
COMMENTS: LIMITER CAP OK. TIMING -4. REAR VAC BREAK .100 LEAN. EGR VALVE DEF. VAC HOSE TO AIR COND RESERVOIR OFF AND NO POWER FACTOR ON NO 8 CYL.											
9131	79	PONT	SUNB	231	1	COLD TRANS	2.70	49.53	617.0	1.64	12.62
IHC, PPM HEXANE				40		COLD STAB	.14	2.53	609.6	.83	14.45
ICO(ACTUAL), PCT				.10		HOT TRANS	.49	15.49	550.3	1.01	15.40
						1975 FTP	.76	15.74	594.9	1.05	14.27
COMMENTS: MIXTURE ADJ. PLUG OK.											
9132	79	PONT	SUNB	305	1	COLD TRANS	.79	19.64	565.0	1.65	14.83
IHC, PPM HEXANE				20		COLD STAB	.11	.36	648.7	1.50	13.66
ICO(ACTUAL), PCT				.02		HOT TRANS	.17	1.48	574.0	1.76	15.39
						1975 FTP	.26	4.63	611.1	1.60	14.33
COMMENTS: MIXTURE ADJ. PLUG OK.											
9133	79	PONT	SUNB	231	1	COLD TRANS	1.03	13.70	637.0	3.12	13.41
IHC, PPM HEXANE				20		COLD STAB	.37	4.65	743.2	1.46	11.81
ICO(ACTUAL), PCT				.02		HOT TRANS	.59	4.29	558.4	2.90	15.65
						1975 FTP	.57	6.42	670.9	2.19	13.00
COMMENTS: MIXTURE ADJ PLUG OK. IGN TIMING +5. CARB SCREW SET SAME AS SOLENOID											

APPENDIX C

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SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
9134	79	PONT	SUNB	231	1	COLD TRANS	2.19	32.26	600.4	1.59	13.49
IHC, PPM HEXANE				25		COLD STAB	.15	2.40	591.4	.41	14.90
ICO(ACTUAL), PCT				.01		HOT TRANS	.33	6.63	526.7	.99	16.49
						1975 FTP	.62	9.70	575.6	.81	14.97
COMMENTS: MIXTURE ADJ. PLUG OK. TIMING -5. EXHAUST FLANGE LEAK.											
9135	79	PONT	SUNB	231	1	COLD TRANS	1.70	18.55	687.8	.50	12.29
IHC, PPM HEXANE				20		COLD STAB	.44	7.80	787.2	.91	11.08
ICO(ACTUAL), PCT				.01		HOT TRANS	.41	5.93	575.8	1.27	15.14
						1975 FTP	.69	9.50	709.1	.93	12.22
COMMENTS: MIXTURE ADJ. PLUG OK.											
9136	79	PONT	SUNB	151	1	COLD TRANS	1.01	20.45	513.5	.78	16.17
IHC, PPM HEXANE				5		COLD STAB	.07	6.85	558.0	.42	15.60
ICO(ACTUAL), PCT				.02		HOT TRANS	.23	7.60	446.3	.72	19.34
						1975 FTP	.31	9.86	518.4	.57	16.60
COMMENTS: MIXTURE ADJ. PLUG OK.											
9137	79	PONT	SUNB	231	1	COLD TRANS	.39	22.65	615.0	.98	13.62
IHC, PPM HEXANE				10		COLD STAB	.16	6.09	645.8	.67	13.53
ICO(ACTUAL), PCT				.01		HOT TRANS	.62	23.54	566.5	.78	14.66
						1975 FTP	.33	14.26	617.8	.77	13.84
COMMENTS: MIXTURE ADJ. PLUG OK.											
8138	78	PONT	SUNB	151	1	COLD TRANS	2.69	27.58	509.5	.95	15.81
IHC, PPM HEXANE				100		COLD STAB	.51	10.36	558.3	.57	15.40
ICO(ACTUAL), PCT				1.50		HOT TRANS	.40	9.05	439.9	.67	19.49
						1975 FTP	.93	13.55	515.9	.68	16.43
COMMENTS: MIXTURE ADJ.PLUG OK,VAC OVER SPEC NEEDED TO LEAN EFC CARB. NO GAS CAP.											

APPENDIX C

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
8139	78	PONT	SUNB	151	1	COLD TRANS	1.11	19.00	470.7	.43	17.61
IHC, PPM HEXANE			80			COLD STAB	.02	4.19	513.0	.49	17.08
ICO(ACTUAL), PCT			.06			HOT TRANS	.20	5.82	401.4	.35	21.59
						1975 FTP	.29	7.69	473.9	.44	18.23
COMMENTS: MIXTURE ADJ PLUG OK.EGR DIAPHRAM DEF.GROMMET IN VALVE COVER CRACKED LOOSE CONNECTION IN IDLE SOLENOID CONNECTOR.											
8140	78	VOLV	262C	163	1	COLD TRANS	2.13	14.43	587.2	2.33	14.39
IHC, PPM HEXANE			80			COLD STAB	.03	1.28	562.7	1.27	15.72
ICO(ACTUAL), PCT			1.50			HOT TRANS	.20	3.90	518.4	1.85	16.90
						1975 FTP	.51	4.70	555.6	1.65	15.72
COMMENTS: MIXTURE ADJ. PLUG OK. TIMING +6.											
9141	79	MERC	MARQ	351	1	COLD TRANS	.77	11.59	725.7	2.24	11.89
IHC, PPM HEXANE			20			COLD STAB	.08	1.30	743.8	.75	11.90
ICO(ACTUAL), PCT			.01			HOT TRANS	.16	1.64	562.2	.94	15.70
						1975 FTP	.24	3.51	690.5	1.11	12.74
COMMENTS: MIXTURE ADJ. PLUG OK.											
8142	78	SAAB	99GL	121	1	COLD TRANS	1.81	14.01	403.8	1.05	20.57
IHC, PPM HEXANE			90			COLD STAB	.05	3.12	419.2	.45	20.92
ICO(ACTUAL), PCT			.75			HOT TRANS	.15	3.37	371.5	.78	23.52
						1975 FTP	.44	5.43	403.0	.66	21.49
COMMENTS: MIXTURE ADJ.PLUG OK. IRPM -70 RPM. 1 VALVE NOISY.											
8143	78	FORD	PINT	140	1	COLD TRANS	.59	11.62	503.3	1.67	16.96
IHC, PPM HEXANE			15			COLD STAB	0.00	.90	435.6	.79	20.31
ICO(ACTUAL), PCT			.01			HOT TRANS	.33	2.26	410.1	1.30	21.40
						1975 FTP	.21	3.47	442.6	1.11	19.78
COMMENTS: LIMITER CAP MIS.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
8144	78	FORD	STAW	140	1	COLD TRANS	2.09	7.58	489.0	2.12	17.49
IHC, PPM HEXANE				20		COLD STAB	.49	2.48	506.9	1.18	17.32
ICO(ACTUAL), PCT				.02		HOT TRANS	.61	3.04	434.1	1.48	20.13
						1975 FTP	.85	3.68	483.3	1.45	18.05
COMMENTS: LIMITER CAP OK, CHOKE ROD NOT CONNECTED TO PLATE.											
9145	79	CADI	SEVI	350	1	COLD TRANS	2.14	26.46	716.2	2.83	11.61
IHC, PPM HEXANE				15		COLD STAB	.09	1.74	719.6	1.67	12.28
ICO(ACTUAL), PCT				.01		HOT TRANS	.33	3.45	614.5	2.58	14.29
						1975 FTP	.58	7.30	690.3	2.16	12.62
COMMENTS: MIXTURE ADJ. PLUG OK.											
5146	75	PONT	ASTR	140	1	COLD TRANS	3.89	29.55	483.8	3.21	16.36
IHC, PPM HEXANE				10		COLD STAB	1.13	10.77	507.2	2.44	16.82
ICO(ACTUAL), PCT				.10		HOT TRANS	2.58	18.64	413.6	3.39	19.67
						1975 FTP	2.09	16.78	476.8	2.86	17.41
COMMENTS: LIMITER CAP MIS.FAST IDLE -580 RPM.EGR VALVE DEF.IDLE RPM -180 RPM.											
8147	78	FORD	PINT	140	1	COLD TRANS	1.80	12.48	420.7	1.20	19.90
IHC, PPM HEXANE				30		COLD STAB	.58	.92	416.3	.72	21.15
ICO(ACTUAL), PCT				.02		HOT TRANS	.77	2.59	351.2	.89	24.81
						1975 FTP	.89	3.76	399.5	.86	21.74
COMMENTS: LIMITER CAP MIS. IRPM -120 RPM. TIMING -3. AIR BELT LOOSE. ENGINE CALIBRATION DECAL MISSING.											
8148	78	VOLV	264G	163	1	COLD TRANS	6.07	134.09	461.7	1.29	12.83
IHC, PPM HEXANE				140		COLD STAB	4.70	151.64	420.1	.43	13.18
ICO(ACTUAL), PCT				.90		HOT TRANS	1.00	25.99	471.3	1.09	17.22
						1975 FTP	3.97	113.74	442.6	.79	14.00
COMMENTS: MIXTURE ADJ. PLUG OK. ELECTRONIC FUEL CONTROL DEF. EFC LEANS A/F RATIO WHEN DISCONNECTED.											

APPENDIX C

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LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
8149	78	VOLV	2646	163	1	COLD TRANS	1.77	24.01	601.2	1.96	13.77
IHC, PPM HEXANE			50			COLD STAB	.02	2.94	685.0	1.45	12.87
ICO(ACTUAL), PCT			4.00			HOT TRANS	.18	6.16	556.3	1.79	15.66
						1975 FTP	.42	8.16	632.6	1.65	13.72
COMMENTS: MIXTURE ADJ.PLUG OK. IRPM -250 RPM. TIMING -4.											
5150	75	OLDS	98	455	1	COLD TRANS	2.77	29.50	830.9	1.81	10.02
IHC, PPM HEXANE			200			COLD STAB	.62	.20	835.0	.81	10.60
ICO(ACTUAL), PCT			.01			HOT TRANS	.89	2.98	724.3	1.57	12.13
						1975 FTP	1.14	6.99	804.0	1.23	10.84
COMMENTS: LIMITER CAP OK.IRPM -125 RPM. FRESH AIR DUCT TORN.SPARK PLUGS WORN											
6151	76	CHEV	STAW	350	1	COLD TRANS	2.07	43.18	736.3	2.29	10.95
IHC, PPM HEXANE			555			COLD STAB	.30	.66	733.8	1.34	12.06
ICO(ACTUAL), PCT			3.00			HOT TRANS	.75	12.95	644.2	2.47	13.31
						1975 FTP	.79	12.77	709.9	1.84	12.12
COMMENTS: LIMITER CAPS OK.											
6151	76	CHEV	STAW	350	2	COLD TRANS	1.51	34.15	753.6	2.46	10.93
IHC, PPM HEXANE			90			COLD STAB	.33	.90	728.6	1.36	12.14
ICO(ACTUAL), PCT			.03			HOT TRANS	.94	11.28	651.5	2.57	13.20
						1975 FTP	.74	10.57	712.7	1.91	12.13
COMMENTS: NONE											
6151	76	CHEV	STAW	350	3	COLD TRANS	1.32	24.32	756.0	2.38	11.12
IHC, PPM HEXANE			75			COLD STAB	.34	.46	742.6	1.20	11.92
ICO(ACTUAL), PCT			.01			HOT TRANS	.86	11.11	645.7	2.20	13.33
						1975 FTP	.68	8.28	718.9	1.72	12.09
COMMENTS: ADJUST IDLE MIXTURE											

APPENDIX C

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LOS ANGELES

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
6152	76	FORD	MUST	171	1	COLD TRANS	10.94	35.40	522.2	2.25	14.49
IHC, PPM HEXANE			1800			COLD STAB	.60	5.70	569.9	1.24	15.28
ICO(ACTUAL), PCT			8.00			HOT TRANS	1.22	9.94	457.4	1.76	18.61
						1975 FTP	2.90	12.97	529.4	1.59	15.88
COMMENTS: LIMITER CAPS OK. CARB DEFECTIVE, PWR VLV SUSPECT.											
6152	76	FORD	MUST	171	4	COLD TRANS	1.48	27.94	535.5	2.02	15.20
IHC, PPM HEXANE			135			COLD STAB	.59	4.17	563.0	1.28	15.53
ICO(ACTUAL), PCT			1.50			HOT TRANS	.94	10.95	456.6	1.48	18.62
						1975 FTP	.87	10.91	528.3	1.49	16.19
COMMENTS: MAJOR TUNE UP, WITH CARB OHAUL.											
6153	76	PLYM	VOLA	318	1	COLD TRANS	1.70	28.44	636.9	8.78	12.92
IHC, PPM HEXANE			300			COLD STAB	.49	6.14	686.4	5.61	12.72
ICO(ACTUAL), PCT			10.00			HOT TRANS	1.12	9.67	568.6	8.94	15.11
						1975 FTP	.91	11.69	644.1	7.17	13.34
COMMENTS: LIMITER CAP MIS. TIMING -3.											
6153	76	PLYM	VOLA	318	2	COLD TRANS	1.67	33.68	624.2	6.19	13.01
IHC, PPM HEXANE			300			COLD STAB	.54	6.57	637.4	3.92	13.67
ICO(ACTUAL), PCT			10.00			HOT TRANS	.84	10.39	537.9	6.04	15.94
						1975 FTP	.85	13.19	607.5	4.96	14.07
COMMENTS: ADJUST TIMING											
6153	76	PLYM	VOLA	318	3	COLD TRANS	2.05	33.34	622.3	6.75	13.03
IHC, PPM HEXANE			180			COLD STAB	.59	7.11	644.4	4.37	13.50
ICO(ACTUAL), PCT			.90			HOT TRANS	1.11	15.43	549.3	6.48	15.38
						1975 FTP	1.03	14.78	613.9	5.44	13.86
COMMENTS: ADJUST IDLE MIXTURE. RENEW DIST COLD TEMP VACUUM ADVANCE SWITCH ADJUST CARBURETOR											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

LOS ANGELES

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
6153	76	PLYM	VOLA	318	4	COLD TRANS	1.91	32.53	659.6	4.68	12.38
IHC, PPM HEXANE				180		COLD STAB	.56	8.01	683.6	4.57	12.72
ICO(ACTUAL), PCT				.90		HOT TRANS	.86	12.09	580.9	5.75	14.73
						1975 FTP	.92	14.17	650.6	4.91	13.13
COMMENTS: MAJOR TUNE UP											
6154	76	HOND	STAW	91	1	COLD TRANS	3.47	12.59	335.4	1.29	24.23
IHC, PPM HEXANE				40		COLD STAB	1.17	6.14	333.7	2.23	25.57
ICO(ACTUAL), PCT				.10		HOT TRANS	2.76	5.88	286.0	3.23	29.20
						1975 FTP	2.08	7.40	321.0	2.31	26.16
COMMENTS: LIMITER CAP MIS. TIMING -6, IDLE RPM -100.											
6154	76	HOND	STAW	91	2	COLD TRANS	1.68	11.00	317.2	3.44	26.12
IHC, PPM HEXANE				1800		COLD STAB	1.15	6.85	323.3	2.37	26.28
ICO(ACTUAL), PCT				1.20		HOT TRANS	1.06	5.77	289.8	3.92	29.37
						1975 FTP	1.23	7.41	312.9	3.01	27.02
COMMENTS: ADJUST TIMING											
6154	76	HOND	STAW	91	3	COLD TRANS	1.59	11.92	351.9	2.19	23.62
IHC, PPM HEXANE				175		COLD STAB	.54	5.96	364.4	1.29	23.64
ICO(ACTUAL), PCT				.30		HOT TRANS	.83	4.96	310.0	2.19	27.70
						1975 FTP	.84	6.91	347.0	1.72	24.62
COMMENTS: IDLE MIXTURE ADJUSTED.											
6155	76	FORD	PINT	140	1	COLD TRANS	3.73	58.89	438.7	.96	16.34
IHC, PPM HEXANE				300		COLD STAB	3.12	61.13	411.3	.55	17.16
ICO(ACTUAL), PCT				6.50		HOT TRANS	2.15	32.45	416.4	1.09	18.72
						1975 FTP	2.98	52.84	418.3	.78	17.38
COMMENTS: LIMITER CAPS MIS.											

APPENDIX C

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LOS ANGELES

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FUEL ECONOMY IN MILES PER GALLON
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SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
6155	76	FORD	PINT	140	3	COLD TRANS	2.48	34.40	473.3	1.31	16.58
IHC, PPM HEXANE		275				COLD STAB	1.74	22.89	442.5	.64	18.34
ICO(ACTUAL), PCT		4.50				HOT TRANS	1.13	11.20	431.2	1.21	19.62
						1975 FTP	1.73	22.07	445.7	.94	18.27
COMMENTS: IDLE MIXTURE ADJUSTED.											
6155	76	FORD	PINT	140	4	COLD TRANS	2.73	45.93	482.8	1.02	15.75
IHC, PPM HEXANE		120				COLD STAB	2.28	45.40	441.6	.39	17.06
ICO(ACTUAL), PCT		1.10				HOT TRANS	1.56	24.87	405.5	.90	19.74
						1975 FTP	2.18	39.91	440.2	.66	17.41
COMMENTS: MAJOR TUNE UP											
7156	77	FORD	GRAN	302	1	COLD TRANS	.64	4.57	665.2	1.46	13.16
IHC, PPM HEXANE		100				COLD STAB	.28	.03	659.1	.86	13.45
ICO(ACTUAL), PCT		1.50				HOT TRANS	.30	.25	551.2	1.15	16.06
						1975 FTP	.36	1.02	630.9	1.06	14.01
COMMENTS: LIMITER CAPS OK.											
5157	75	FIAT	X19	79	1	COLD TRANS	3.52	23.04	442.4	1.22	18.12
IHC, PPM HEXANE		60				COLD STAB	.92	12.10	484.0	.75	17.54
ICO(ACTUAL), PCT		2.50				HOT TRANS	1.09	12.79	375.2	1.13	22.26
						1975 FTP	1.50	14.54	445.8	.95	18.75
COMMENTS: LIMITER CAP MIS, TIMING OFF -10, VACUUM DELAY VALVE PLUGGED. CHOKE STUCK.											
5157	75	FIAT	X19	79	2	COLD TRANS	5.90	55.65	346.1	1.65	19.62
IHC, PPM HEXANE		225				COLD STAB	4.80	79.90	366.4	.98	17.50
ICO(ACTUAL), PCT		6.50				HOT TRANS	3.11	60.50	333.7	1.63	20.24
						1975 FTP	4.56	69.62	353.3	1.29	18.60
COMMENTS: CORRECT TIMING UNPLUG DELAY VALVE											

APPENDIX C

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LOS ANGELES

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5157	75	FIAT	X19	79	3	COLD TRANS	10.94	26.38	446.0	1.96	17.00
IHC, PPM HEXANE			100			COLD STAB	1.44	7.98	495.4	1.34	17.32
ICO(ACTUAL), PCT			.70			HOT TRANS	1.40	12.09	412.5	2.27	20.36
						1975 FTP	3.38	12.89	462.6	1.72	17.98
COMMENTS: ADJUST IDLE CO											
5157	75	FIAT	X19	79	4	COLD TRANS	2.62	28.91	445.5	2.10	17.78
IHC, PPM HEXANE			90			COLD STAB	1.52	10.84	453.4	1.20	18.68
ICO(ACTUAL), PCT			.70			HOT TRANS	.92	8.13	279.6	1.29	30.05
						1975 FTP	1.58	13.82	404.3	1.41	20.59
COMMENTS: MAJOR TUNEUP-REPAIR CHOKE-RENEW AIR FILTER & DELAY VALVE											
6158	76	OLDS	CUTL	350	1	COLD TRANS	4.14	48.83	785.1	1.62	10.14
IHC, PPM HEXANE			50			COLD STAB	.46	7.06	759.8	.95	11.49
ICO(ACTUAL), PCT			.10			HOT TRANS	.43	2.28	661.4	1.34	13.32
						1975 FTP	1.21	14.35	738.2	1.19	11.61
COMMENTS: LIMITER CAPS MIS.											
6158	76	OLDS	CUTL	350	4	COLD TRANS	2.45	20.31	804.5	2.08	10.51
IHC, PPM HEXANE			60			COLD STAB	.36	.20	720.7	1.16	12.29
ICO(ACTUAL), PCT			.10			HOT TRANS	.34	.61	656.2	1.85	13.48
						1975 FTP	.78	4.45	720.4	1.53	12.16
COMMENTS: MAJOR TUNE UP, RENEW VACUUM HOSES.											
6159	76	FORD	ELIT	351	1	COLD TRANS	1.96	24.74	731.9	1.65	11.42
IHC, PPM HEXANE			200			COLD STAB	1.16	8.06	808.3	1.27	10.76
ICO(ACTUAL), PCT			7.00			HOT TRANS	1.38	10.11	637.8	2.16	13.49
						1975 FTP	1.38	12.05	746.0	1.59	11.54
COMMENTS: LIMITER CAP MIS. TIMING -4.											

APPENDIX C

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SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
6159	76	FORD	ELIT	351	2	COLD TRANS	2.90	28.86	737.6	2.10	11.20
IHC, PPM HEXANE			190			COLD STAB	1.20	7.49	796.0	1.65	10.94
ICO(ACTUAL), PCT			6.20			HOT TRANS	1.19	6.63	654.4	3.11	13.27
						1975 FTP	1.55	11.66	745.3	2.14	11.55
COMMENTS: ADJUST TIMING.											
6159	76	FORD	ELIT	351	3	COLD TRANS	3.07	29.75	736.0	2.11	11.20
IHC, PPM HEXANE			200			COLD STAB	1.19	5.52	741.9	1.95	11.77
ICO(ACTUAL), PCT			1.30			HOT TRANS	1.53	9.89	652.8	2.95	13.19
						1975 FTP	1.67	11.70	716.4	2.26	11.99
COMMENTS: ADJUST IDLE MIXTURE AND IDLE RPM.											
6159	76	FORD	ELIT	351	4	COLD TRANS	2.51	30.70	742.8	2.01	11.11
IHC, PPM HEXANE			150			COLD STAB	1.07	3.22	720.8	1.95	12.17
ICO(ACTUAL), PCT			.80			HOT TRANS	1.22	6.27	646.5	2.64	13.44
						1975 FTP	1.41	9.71	705.1	2.15	12.25
COMMENTS: MAJOR TUNE UP.											
6160	76	PLYM	STAW	360	1	COLD TRANS	4.67	58.02	752.5	5.81	10.34
IHC, PPM HEXANE			300			COLD STAB	1.45	42.94	834.5	3.24	9.79
ICO(ACTUAL), PCT			10.00			HOT TRANS	3.88	40.86	666.7	6.62	11.94
						1975 FTP	2.77	45.48	771.8	4.69	10.42
COMMENTS: LIMITER CAP MIS. TAC SENSOR LEAK. TIMING -2.											
6160	76	PLYM	STAW	360	2	COLD TRANS	4.69	73.73	761.8	4.30	9.94
IHC, PPM HEXANE			100			COLD STAB	1.80	65.70	814.5	2.38	9.61
ICO(ACTUAL), PCT			3.30			HOT TRANS	2.26	42.90	684.2	4.49	11.70
						1975 FTP	2.52	61.13	768.1	3.35	10.18
COMMENTS: ADJUST TIMING.											

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SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
6160	76	PLYM	STAW	360	4	COLD TRANS	1.84	38.91	806.3	4.52	10.16
IHC, PPM HEXANE			190			COLD STAB	.47	6.68	777.8	2.29	11.24
ICO(ACTUAL), PCT			2.00			HOT TRANS	.92	12.23	658.8	4.99	13.03
						1975 FTP	.88	14.83	751.2	3.49	11.42
COMMENTS: MAJOR TUNE UP, OVERHAUL CARB, REPLACE TAC SENSOR.											
5161	75	FORD	STAW	400	1	COLD TRANS	5.73	101.64	825.5	2.34	8.85
IHC, PPM HEXANE			190			COLD STAB	4.77	100.31	792.4	1.33	9.20
ICO(ACTUAL), PCT			6.00			HOT TRANS	4.42	60.53	729.2	2.32	10.59
						1975 FTP	4.87	89.73	781.9	1.81	9.46
COMMENTS: LIMITER CAP MISSING. VACUUM HOSES REROUTED AT TVS AND DIST. AIR PUMP BELT MISSING. AIR PUMP FROZEN. EXHAUST CHECK VALVE DEF. BYPASS VALVE DEF. EXHAUST LEAK AT EGR SPACER PLATE.											
5161	75	FORD	STAW	400	2	COLD TRANS	2.66	64.23	985.5	1.64	8.11
IHC, PPM HEXANE			200			COLD STAB	1.39	23.71	975.8	1.37	8.72
ICO(ACTUAL), PCT			.70			HOT TRANS	1.45	23.59	863.9	1.69	9.80
						1975 FTP	1.67	32.02	947.3	1.51	8.85
COMMENTS: CORRECT VACUUM DISABLEMENTS AT TVS AND DIST. REPLACE AIR PUMP AND BELT. REPLACE EXHAUST CHECK VALVE AND BYPASS VALVE.											
5161	75	FORD	STAW	400	3	COLD TRANS	2.54	62.45	999.3	1.61	8.03
IHC, PPM HEXANE			60			COLD STAB	1.25	21.84	985.0	1.34	8.67
ICO(ACTUAL), PCT			.50			HOT TRANS	1.46	22.79	870.3	1.72	9.75
						1975 FTP	1.57	30.46	956.6	1.50	8.79
COMMENTS: ADJUST IDLE MIXTURE AND IRPM.											
5161	75	FORD	STAW	400	4	COLD TRANS	2.47	53.73	1038.7	2.02	7.85
IHC, PPM HEXANE			50			COLD STAB	.97	11.59	1002.8	1.74	8.67
ICO(ACTUAL), PCT			.30			HOT TRANS	1.45	17.97	880.2	2.09	9.72
						1975 FTP	1.41	22.00	976.7	1.89	8.74
COMMENTS: MAJOR TUNE UP.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
6162	76	PLYM	VOLA	225	1	COLD TRANS	3.54	47.72	620.8	7.34	12.55
IHC, PPM HEXANE			100			COLD STAB	.26	.26	609.9	4.35	14.52
ICO(ACTUAL), PCT			5.20			HOT TRANS	.92	3.65	565.8	7.75	15.45
						1975 FTP	1.11	10.95	600.1	5.89	14.30

COMMENTS: LIMITER CAP MIS. TIMING OFF -6. EGR VACUUM HOSE PLUGGED.
TAC VACUUM HOSE MISSING, AIR CLEANER SENSOR DEFECTIVE.
FUEL FILTER LINE KINKED.

6162	76	PLYM	VOLA	225	2	COLD TRANS	4.61	63.62	601.8	2.70	12.39
IHC, PPM HEXANE			175			COLD STAB	.26	.18	596.0	1.89	14.86
ICO(ACTUAL), PCT			6.00			HOT TRANS	.73	2.06	548.0	3.12	16.03
						1975 FTP	1.29	13.75	584.1	2.39	14.55

COMMENTS: ADJUST TIMING, UNPLUG EGR HOSE, CORRECT VACUUM TO TAC

6162	76	PLYM	VOLA	225	3	COLD TRANS	4.16	28.69	577.0	3.03	13.97
IHC, PPM HEXANE			60			COLD STAB	.25	.56	529.7	2.13	16.70
ICO(ACTUAL), PCT			.50			HOT TRANS	.82	2.62	496.7	3.14	17.63
						1975 FTP	1.21	6.91	530.4	2.59	16.28

COMMENTS: ADJUST IDLE MIXTURE AND RPM. REPAIR KINK IN FUEL LINE.

6162	76	PLYM	VOLA	225	4	COLD TRANS	3.37	52.34	557.8	4.72	13.64
IHC, PPM HEXANE			60			COLD STAB	.26	.10	510.9	5.55	17.34
ICO(ACTUAL), PCT			.70			HOT TRANS	1.05	3.12	495.3	5.59	17.62
						1975 FTP	1.12	11.68	516.3	5.39	16.49

COMMENTS: MAJOR TUNE UP.
REPLACE FUEL FILTER HOSE AND TAC SENSOR.

6163	76	MERC	STAW	460	1	COLD TRANS	1.16	32.62	962.6	3.88	8.72
IHC, PPM HEXANE			200			COLD STAB	.56	46.04	1031.6	2.03	8.03
ICO(ACTUAL), PCT			10.00			HOT TRANS	.54	14.15	878.3	4.11	9.84
						1975 FTP	.68	34.57	975.6	2.98	8.60

COMMENTS: LIMITER CAP MIS.EGR HOSE CUT.TAC SENSOR LEAK.FRESH AIR DUCT WORN.

APPENDIX C

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EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
6163	76	MERC	STAW	460	2	COLD TRANS	1.26	35.84	974.7	2.52	8.59
IHC, PPM HEXANE			175			COLD STAB	.62	52.97	1023.4	1.82	8.01
ICO(ACTUAL), PCT			2.50			HOT TRANS	.45	12.48	864.1	2.94	10.03
						1975 FTP	.70	38.23	969.9	2.27	8.60
COMMENTS: RENEW EGR HOSE AND TAC SENSOR.											
6163	76	MERC	STAW	460	3	COLD TRANS	.94	12.48	885.9	2.12	9.77
IHC, PPM HEXANE			50			COLD STAB	.45	.59	890.0	1.55	9.95
ICO(ACTUAL), PCT			.50			HOT TRANS	.81	2.17	762.6	2.38	11.55
						1975 FTP	.65	3.47	854.4	1.90	10.30
COMMENTS: ADJUST IDLE MIXTURE AND IRPM.											
6164	76	AMC	GREM	232	1	COLD TRANS	.98	15.13	531.7	2.94	15.89
IHC, PPM HEXANE			125			COLD STAB	1.10	26.16	519.1	2.08	15.74
ICO(ACTUAL), PCT			4.00			HOT TRANS	.75	11.34	454.0	2.99	18.72
						1975 FTP	.98	19.85	503.9	2.51	16.49
COMMENTS: LIMITER CAP MIS. TIMING +11. DEF VAC ADV,CTO,EGR,BPT AND AIR BP VAL CHOKE 2NL,BPT VAL HOSE OFF, AIR PUMP OUTLET HOSE KINKED.											
6164	76	AMC	GREM	232	2	COLD TRANS	1.55	32.31	506.4	2.65	15.79
IHC, PPM HEXANE			100			COLD STAB	.99	24.60	500.1	1.88	16.38
ICO(ACTUAL), PCT			2.75			HOT TRANS	.89	13.68	442.8	2.56	19.00
						1975 FTP	1.08	23.21	485.8	2.23	16.88
COMMENTS: ADJ TIMG AND CHOKE,HOOK UP EGR SNSR HSE,ALGN AIR PUMP OUTLET HOSE.											
6164	76	AMC	GREM	232	3	COLD TRANS	1.19	29.47	509.2	2.93	15.87
IHC, PPM HEXANE			100			COLD STAB	.81	21.25	526.4	2.06	15.78
ICO(ACTUAL), PCT			.20			HOT TRANS	.89	10.86	445.2	2.82	19.08
						1975 FTP	.91	20.11	500.7	2.44	16.58
COMMENTS: ADJUST IDLE MIXTURE AND IRPM.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS
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LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
6164	76	AMC	GREM	232	4	COLD TRANS	1.06	18.52	525.2	2.75	15.91
IHC, PPM HEXANE			60			COLD STAB	.55	5.86	493.7	2.28	17.59
ICO(ACTUAL), PCT			.20			HOT TRANS	.78	7.69	438.4	2.78	19.59
						1975 FTP	.72	8.96	485.1	2.51	17.70
COMMENTS: MAJOR TUNE UP. REPLACE EGR BPT AND AIR BYPASS VALVE. REPLACE CTO SENSOR AND DIST VAC ADVANCE.											
6165	76	PLYM	ARRO	98	1	COLD TRANS	2.04	38.44	347.2	6.01	21.43
IHC, PPM HEXANE			225			COLD STAB	2.03	43.07	283.5	2.98	24.82
ICO(ACTUAL), PCT			6.20			HOT TRANS	1.62	25.52	290.6	5.45	26.43
						1975 FTP	1.92	37.33	298.5	4.28	24.43
COMMENTS: LIMITER CAP MIS. TIMING +8. VAC DELAY HOSE PLUGGED.EGR VAL DEF. REED VAL DIRTY. THERMO VAL DEF. AIR FLTR OILY. CRNKCASE ORF PLUGGED											
6165	76	PLYM	ARRO	98	2	COLD TRANS	2.07	37.86	345.8	5.40	21.55
IHC, PPM HEXANE			200			COLD STAB	1.74	39.57	308.2	2.79	23.61
ICO(ACTUAL), PCT			5.75			HOT TRANS	1.43	23.87	299.8	5.16	25.96
						1975 FTP	1.72	34.93	313.7	3.97	23.73
COMMENTS: ADJUST TIMING TDC. HOOK UP EGR HOSE. UNPLUG HOSE TO DIST RETARD.											
6165	76	PLYM	ARRO	98	3	COLD TRANS	2.34	36.38	352.9	5.29	21.26
IHC, PPM HEXANE			200			COLD STAB	1.57	29.85	309.9	2.71	24.53
ICO(ACTUAL), PCT			1.70			HOT TRANS	1.43	20.64	302.3	4.79	26.16
						1975 FTP	1.69	28.68	316.7	3.81	24.18
COMMENTS: ADJUST IDLE MIXTURE AND IRPM.											
6165	76	PLYM	ARRO	98	4	COLD TRANS	2.25	34.46	360.2	4.03	21.06
IHC, PPM HEXANE			90			COLD STAB	1.41	15.91	327.5	1.63	24.86
ICO(ACTUAL), PCT			1.00			HOT TRANS	1.34	14.60	306.2	3.27	26.62
						1975 FTP	1.57	19.37	328.4	2.57	24.39
COMMENTS: MAJOR TUNE UP. REPLACE EGR VAL AND REED VAL.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
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SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5166	75	BUIC	SKYH	231	1	COLD TRANS	6.24	101.09	457.0	3.32	13.96
IHC, PPM HEXANE			325			COLD STAB	5.15	127.98	414.0	1.85	14.06
ICO(ACTUAL), PCT			7.50			HOT TRANS	3.13	58.38	421.6	3.40	16.96
						1975 FTP	4.82	103.46	424.9	2.58	14.72
COMMENTS: LIMITER CAP MIS,EGR TVS VAC HOSE OFF AT INT MANI,NO 4 SPK PLG LOOSE											
5166	75	BUIC	SKYH	231	2	COLD TRANS	7.19	99.19	459.4	3.46	13.91
IHC, PPM HEXANE			400			COLD STAB	5.21	127.26	399.4	1.54	14.41
ICO(ACTUAL), PCT			9.00			HOT TRANS	2.78	55.01	423.2	3.45	17.12
						1975 FTP	4.95	101.77	418.2	2.46	14.95
COMMENTS: HOOK VAC LINE FOR EGR TVS.ADJ TIMG +12.TIGHTEN NO 4 SPARK PLUG.											
5166	75	BUIC	SKYH	231	3	COLD TRANS	4.20	78.25	475.2	3.12	14.82
IHC, PPM HEXANE			40			COLD STAB	2.50	55.42	481.0	1.58	15.41
ICO(ACTUAL), PCT			2.25			HOT TRANS	1.87	24.71	445.3	3.09	18.11
						1975 FTP	2.68	50.09	470.1	2.31	15.93
COMMENTS: ADJUST IDLE MIXTURE AND IRPM.											
5166	75	BUIC	SKYH	231	4	COLD TRANS	4.75	78.83	479.8	3.53	14.34
IHC, PPM HEXANE			50			COLD STAB	2.67	64.86	470.0	1.98	15.29
ICO(ACTUAL), PCT			2.00			HOT TRANS	2.23	34.62	458.6	3.85	17.07
						1975 FTP	2.98	59.49	468.9	2.81	15.52
COMMENTS: MAJOR TUNE UP.											
7167	77	HOND	ACCO	97	1	COLD TRANS	1.67	17.38	389.9	2.08	21.01
IHC, PPM HEXANE			100			COLD STAB	.21	3.79	382.9	1.52	22.78
ICO(ACTUAL), PCT			.40			HOT TRANS	.41	3.82	315.1	2.14	27.53
						1975 FTP	.56	6.59	365.8	1.81	23.48
COMMENTS: LIMITER CAP OK, IGN TRMOSNSOR AND DLY VAL DEF.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
7167	77	HOND	ACCO	97	4	COLD TRANS	1.92	20.45	341.6	2.35	23.37
IHC, PPM HEXANE				90		COLD STAB	.19	4.25	371.9	1.58	23.40
ICO(ACTUAL), PCT				.30		HOT TRANS	.40	3.51	360.7	2.50	24.15
						1975 FTP	.61	7.38	362.6	1.99	23.60
COMMENTS: MAJOR TUNE UP, REPLACE IGN TRMOSNSOR DLY VAL.											
5168	75	FORD	MUST	171	1	COLD TRANS	3.47	55.57	612.8	3.19	12.48
IHC, PPM HEXANE				30		COLD STAB	.43	3.32	709.0	1.05	12.40
ICO(ACTUAL), PCT				.20		HOT TRANS	1.13	13.87	568.9	1.58	14.94
						1975 FTP	1.25	16.96	651.0	1.64	13.02
COMMENTS: LIMITER CAP MIS. CHOKE OFF 2NL.											
5168	75	FORD	MUST	171	3	COLD TRANS	6.59	60.86	615.9	3.91	12.12
IHC, PPM HEXANE				20		COLD STAB	.60	16.29	679.0	1.70	12.56
ICO(ACTUAL), PCT				.20		HOT TRANS	1.69	19.58	552.4	3.04	15.08
						1975 FTP	2.13	26.36	631.5	2.52	13.06
COMMENTS: ADJUST IDLE MIXTURE AND RPM.											
5168	75	FORD	MUST	171	4	COLD TRANS	6.73	64.32	644.0	3.01	11.58
IHC, PPM HEXANE				60		COLD STAB	.74	17.47	729.1	1.15	11.70
ICO(ACTUAL), PCT				.20		HOT TRANS	1.80	23.68	576.8	2.06	14.32
						1975 FTP	2.26	28.80	670.0	1.78	12.29
COMMENTS: MAJOR TUNE UP.											
6169	76	PONT	VENT	350	1	COLD TRANS	2.06	13.51	848.6	3.03	10.13
IHC, PPM HEXANE				120		COLD STAB	.76	.95	835.8	.95	10.57
ICO(ACTUAL), PCT				.04		HOT TRANS	.64	1.11	740.0	2.04	11.93
						1975 FTP	1.00	3.58	812.3	1.68	10.81
COMMENTS: LIMITER CAP OK. IRPM 190 L. PCV HOSE DISCONNECTED AT CARB.											

APPENDIX C

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LOS ANGELES

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SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
6169	76	PONT	VENT	350	2	COLD TRANS	2.54	33.06	739.6	2.71	11.10
IHC, PPM HEXANE			20			COLD STAB	.38	7.03	738.3	.93	11.83
ICO(ACTUAL), PCT			.04			HOT TRANS	.62	8.27	645.8	1.92	13.43
						1975 FTP	.89	12.73	713.3	1.57	12.06
COMMENTS: REPLACE PCV HOSE.											
6169	76	PONT	VENT	350	4	COLD TRANS	1.25	21.87	763.9	3.45	11.06
IHC, PPM HEXANE			20			COLD STAB	.39	1.64	794.1	1.20	11.12
ICO(ACTUAL), PCT			.03			HOT TRANS	.55	6.71	674.4	2.13	12.92
						1975 FTP	.61	7.19	755.3	1.92	11.55
COMMENTS: MAJOR TUNE UP.											
6170	76	PLYM	STAW	318	1	COLD TRANS	3.05	54.12	752.4	2.90	10.48
IHC, PPM HEXANE			50			COLD STAB	.76	19.16	728.2	1.76	11.67
ICO(ACTUAL), PCT			3.50			HOT TRANS	1.02	14.79	637.5	3.25	13.37
						1975 FTP	1.30	25.16	708.4	2.40	11.80
COMMENTS: LIMITER CAP MIS.											
6170	76	PLYM	STAW	318	3	COLD TRANS	3.20	61.11	783.4	2.07	9.98
IHC, PPM HEXANE			40			COLD STAB	.57	13.20	755.8	1.36	11.40
ICO(ACTUAL), PCT			1.00			HOT TRANS	.88	12.76	659.9	2.62	13.00
						1975 FTP	1.20	22.94	735.3	1.85	11.45
COMMENTS: ADJUST IDLE MIXTURE AND IRPM.											
6170	76	PLYM	STAW	318	4	COLD TRANS	4.27	54.40	818.9	2.26	9.67
IHC, PPM HEXANE			70			COLD STAB	.45	8.72	762.8	1.53	11.41
ICO(ACTUAL), PCT			1.00			HOT TRANS	.69	5.21	701.7	2.57	12.46
						1975 FTP	1.30	17.17	757.7	1.96	11.25
COMMENTS: MAJOR TUNE UP. REPLACE TAC SENSOR.											

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SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
6171	76	CHEV	MONT	350	1	COLD TRANS	2.18	32.34	687.0	5.50	11.92
IHC, PPM HEXANE			100			COLD STAB	.74	.51	722.5	3.53	12.23
ICO(ACTUAL), PCT			2.50			HOT TRANS	.93	4.60	621.6	6.37	14.05
						1975 FTP	1.09	8.18	687.7	4.71	12.61
COMMENTS: LIMITER CAP MIS. EGR HOSE PLUGGED. DEF EGR VAL. PCV FILTER BROKEN. TIMING OFF +6. CHOKE 2NR.											
6171	76	CHEV	MONT	350	2	COLD TRANS	2.63	18.13	745.7	2.72	11.34
IHC, PPM HEXANE			60			COLD STAB	.65	2.20	764.7	1.16	11.52
ICO(ACTUAL), PCT			1.20			HOT TRANS	.77	6.85	674.1	2.38	12.91
						1975 FTP	1.09	6.75	736.1	1.82	11.83
COMMENTS: UNPLG EGR HSE. ADJ TIMG AND CHOKE. ADJ CHOKE PULL OFF.											
6171	76	CHEV	MONT	350	3	COLD TRANS	3.18	22.84	762.2	3.93	10.98
IHC, PPM HEXANE			60			COLD STAB	.51	1.61	774.8	2.32	11.39
ICO(ACTUAL), PCT			.10			HOT TRANS	.72	3.09	704.0	4.33	12.48
						1975 FTP	1.12	6.38	752.9	3.20	11.58
COMMENTS: ADJUST IDLE MIXTURE AND IRPM.											
6171	76	CHEV	MONT	350	4	COLD TRANS	3.91	29.11	730.4	2.08	11.26
IHC, PPM HEXANE			50			COLD STAB	.47	1.10	731.5	1.02	12.08
ICO(ACTUAL), PCT			.10			HOT TRANS	.81	5.32	637.7	1.81	13.68
						1975 FTP	1.27	8.02	705.7	1.45	12.29
COMMENTS: MAJOR TUNE UP.											
6172	76	PLYM	FURY	318	1	COLD TRANS	2.12	31.25	841.7	2.47	9.89
IHC, PPM HEXANE			140			COLD STAB	.39	7.01	808.2	1.44	10.82
ICO(ACTUAL), PCT			3.40			HOT TRANS	.84	11.45	717.9	2.61	12.02
						1975 FTP	.87	13.21	790.4	1.97	10.90
COMMENTS: LIMITER CAP MIS. TAC SNSR DEF. EGR HSE BRTL AND OFF AT CARB.PCV DEF											

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
6172	76	PLYM	FURY	318	3	COLD TRANS	1.11	14.15	743.7	4.28	11.53
IHC, PPM HEXANE			70			COLD STAB	.34	1.38	734.9	2.53	12.02
ICO(ACTUAL), PCT			.70			HOT TRANS	.70	4.85	648.7	4.85	13.48
						1975 FTP	.60	4.95	713.2	3.53	12.28
COMMENTS: ADJUST IDLE MIXTURE AND IRPM.											
6172,	76	PLYM	FURY	318	4	COLD TRANS	1.01	14.99	792.8	2.03	10.83
IHC, PPM HEXANE			70			COLD STAB	.34	2.46	770.1	1.55	11.45
ICO(ACTUAL), PCT			1.20			HOT TRANS	.58	7.41	670.9	2.16	12.97
						1975 FTP	.54	6.39	747.7	1.82	11.69
COMMENTS: MAJOR TUNE UP. REPLACE TAC SENSOR AND EGR VAC HOSE.											
6173	76	MERC	COME	250	1	COLD TRANS	1.29	16.69	676.8	4.05	12.55
IHC, PPM HEXANE			60			COLD STAB	.49	.36	615.9	2.41	14.36
ICO(ACTUAL), PCT			3.30			HOT TRANS	.70	2.67	561.3	4.10	15.63
						1975 FTP	.71	4.35	613.5	3.21	14.26
COMMENTS: LIMITER CAP MIS. CHOKE 2NR.											
6173	76	MERC	COME	250	2	COLD TRANS	1.30	16.69	644.4	2.79	13.15
IHC, PPM HEXANE			60			COLD STAB	.47	.31	583.7	1.53	15.16
ICO(ACTUAL), PCT			3.30			HOT TRANS	.66	2.03	536.1	2.64	16.39
						1975 FTP	.69	4.15	583.2	2.09	15.00
COMMENTS: ADJUST CHOKE.											
6173	76	MERC	COME	250	3	COLD TRANS	1.40	17.16	559.7	1.91	15.02
IHC, PPM HEXANE			100			COLD STAB	.34	.08	514.1	.82	17.22
ICO(ACTUAL), PCT			1.00			HOT TRANS	.50	.47	462.3	1.58	19.10
						1975 FTP	.60	3.70	509.4	1.25	17.16
COMMENTS: ADJUST IDLE MIXTURE AND IRPM.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
6174	76	FORD	GRAN	250	1	COLD TRANS	2.47	17.52	656.1	6.74	12.84
IHC, PPM HEXANE				200		COLD STAB	2.48	.49	660.3	3.31	13.27
ICO(ACTUAL), PCT				.01		HOT TRANS	1.92	2.09	557.7	4.36	15.65
						1975 FTP	2.32	4.43	631.4	4.30	13.74

COMMENTS: LIMITER CAP MIS. DEF TAC SENSOR,VAC DIF VAL,SOLENOID VAL.
DEF EGR TVC,SPRK DELY VAL.EGR VAC LINE PLGD.AIR EX CK VAL INLT BROK
AIR DUCT TORN. VAC AMP WEAK. PCV FILTER DIRTY.

6175	76	BUIC	REGA	350	1	COLD TRANS	2.83	46.32	768.7	5.13	10.44
IHC, PPM HEXANE				70		COLD STAB	.33	4.09	754.3	1.64	11.65
ICO(ACTUAL), PCT				.20		HOT TRANS	.70	12.90	670.5	2.77	12.81
						1975 FTP	.94	15.19	734.4	2.67	11.66

COMMENTS: LIMITER CAP OK.

6175	76	BUIC	REGA	350	4	COLD TRANS	2.73	43.01	792.8	4.92	10.21
IHC, PPM HEXANE				25		COLD STAB	.28	2.30	828.4	1.99	10.66
ICO(ACTUAL), PCT				.05		HOT TRANS	.68	11.45	735.9	3.33	11.74
						1975 FTP	.90	13.18	795.8	2.96	10.83

COMMENTS: MAJOR TUNE UP.

5176	75	FORD	PINT	140	1	COLD TRANS	2.36	48.05	514.0	3.53	14.87
IHC, PPM HEXANE				250		COLD STAB	3.24	59.85	552.8	3.18	13.51
ICO(ACTUAL), PCT				.05		HOT TRANS	2.42	44.74	452.4	3.79	16.73
						1975 FTP	2.83	53.30	517.4	3.42	14.55

COMMENTS: LIMITER CAP MIS. TIMING OFF +6. EGR HOSE PLUGGD,DSCNNCTD AND RERUTD
AIR CLNR DUCT WORN. DEF EGR VAL, VAC SOL SW, AND VAC AMPL.
PCV VAL AND FLTR DRTY,AIR PMP RERUTD, AIR BYPSS AND DIFF.
VALS DEF.

5176	75	FORD	PINT	140	2	COLD TRANS	2.04	50.22	543.8	3.09	14.11
IHC, PPM HEXANE				60		COLD STAB	1.98	34.65	575.2	2.95	13.96
ICO(ACTUAL), PCT				6.50		HOT TRANS	1.48	34.29	478.8	3.35	16.52
						1975 FTP	1.86	37.76	542.5	3.09	14.61

COMMENTS: REROUT EGR AND AIR HOSE. ADJ TIMING. UNPLUG EGR HOSE.

APPENDIX C

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5176	75	FORD	PINT	140	3	COLD TRANS	2.30	53.15	545.2	2.99	13.96
IHC, PPM HEXANE				40		COLD STAB	2.39	47.03	575.6	2.89	13.51
ICO(ACTUAL), PCT				.15		HOT TRANS	1.79	37.33	489.6	3.32	16.02
						1975 FTP	2.21	45.64	545.9	3.03	14.21
COMMENTS: ADJUST IDLE MIXTURE AND IRPM.											
5176	75	FORD	PINT	140	4	COLD TRANS	2.29	66.10	654.1	2.72	11.60
IHC, PPM HEXANE				50		COLD STAB	1.06	27.80	684.1	2.33	12.14
ICO(ACTUAL), PCT				.15		HOT TRANS	1.02	30.86	586.7	2.90	13.90
						1975 FTP	1.30	36.52	651.3	2.57	12.45
COMMENTS: MAJOR TUNE UP. REPLACE EGR,VAC SOL AND VAC AMPL VALVES. REPLACE VAC DIF AND AIR BYPASS VAL. REPLACE AIR DUCT.											
6177	76	PONT	VENT	250	1	COLD TRANS	3.70	37.21	603.3	4.72	13.18
IHC, PPM HEXANE				20		COLD STAB	.52	2.15	588.4	3.35	14.96
ICO(ACTUAL), PCT				3.00		HOT TRANS	.72	6.16	519.9	4.84	16.69
						1975 FTP	1.23	10.46	572.8	4.04	14.96
COMMENTS: LIMITER CAP MIS. EGR TVS VAL DEF. WRONG AIR FILTER.											
5178	75	BUIC	SKYH	231	1	COLD TRANS	5.38	46.99	501.1	1.98	14.99
IHC, PPM HEXANE				20		COLD STAB	1.20	19.31	487.4	1.31	17.02
ICO(ACTUAL), PCT				.04		HOT TRANS	1.42	19.61	437.4	1.75	18.77
						1975 FTP	2.12	25.09	476.6	1.57	16.98
COMMENTS: LIMITER CAP OK. CHOKE MALADJ, NOT HOOK INTRNAL. SEC VAC BRK DEF.											
5178	75	BUIC	SKYH	231	2	COLD TRANS	19.63	261.28	394.5	.45	10.23
IHC, PPM HEXANE				20		COLD STAB	1.29	19.74	489.1	1.30	16.93
ICO(ACTUAL), PCT				.03		HOT TRANS	1.11	15.82	460.7	2.03	18.15
						1975 FTP	5.01	68.39	461.9	1.32	15.17
COMMENTS: ADJUST CHOKE.											

APPENDIX C

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LOS ANGELES

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5178	75	BUIC	SKYH	231	3	COLD TRANS	16.97	228.55	398.0	.68	10.94
IHC, PPM HEXANE			50			COLD STAB	1.25	16.60	496.8	1.48	16.85
ICO(ACTUAL), PCT			.01			HOT TRANS	1.33	13.48	450.0	2.03	18.67
						1975 FTP	4.51	59.37	463.7	1.47	15.54
COMMENTS: ADJUST IDLE MIXTURE AND RPM.											
5178	75	BUIC	SKYH	231	4	COLD TRANS	7.81	152.67	442.5	.88	12.55
IHC, PPM HEXANE			30			COLD STAB	1.08	15.29	516.4	1.59	16.32
ICO(ACTUAL), PCT			.02			HOT TRANS	1.30	12.09	456.4	2.17	18.51
						1975 FTP	2.53	42.70	484.8	1.60	15.85
COMMENTS: MAJOR TUNE UP. REPLACE SEC CHOKE PULL OFF.											
5179	75	VOLK	RABB	89	1	COLD TRANS	7.48	117.02	361.6	.55	15.59
IHC, PPM HEXANE			110			COLD STAB	.94	26.57	463.6	.62	17.46
ICO(ACTUAL), PCT			4.10			HOT TRANS	2.38	65.15	334.6	.51	19.97
						1975 FTP	2.68	55.72	407.4	.58	17.63
COMMENTS: MIXTURE ADJ PLUG OK. IRPM OVR 125, TIMG +8, DEF SPARK PLUG WIRES. DIST ADV TVS DEF, VAC RETD LINE PLGD, EGR HSE HARD AND BRITTLE. PCV HSE SPLIT. TAC INLT DOOR BINDS AT TIMES.											
5179	75	VOLK	RABB	89	2	COLD TRANS	6.95	123.04	393.6	.52	14.57
IHC, PPM HEXANE			140			COLD STAB	.83	32.71	516.0	.46	15.57
ICO(ACTUAL), PCT			4.40			HOT TRANS	2.38	78.27	387.0	.44	17.15
						1975 FTP	2.51	63.73	455.6	.47	15.74
COMMENTS: ADJ TIMG. LUBE TAC DOOR. REPLD VAC DELY HSE, AND EGR HOSE.											
5179	75	VOLK	RABB	89	3	COLD TRANS	5.93	120.50	400.9	.62	14.57
IHC, PPM HEXANE			60			COLD STAB	1.11	36.83	514.1	.49	15.42
ICO(ACTUAL), PCT			2.00			HOT TRANS	2.50	73.31	378.7	.51	17.68
						1975 FTP	2.48	64.01	453.9	.52	15.78
COMMENTS: ADJUST IDLE MIXTURE AND IRPM.											

APPENDIX C

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SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5179	75	VOLK	RABB	89	4	COLD TRANS	4.71	95.43	356.7	.64	17.02
IHC, PPM HEXANE			80			COLD STAB	1.76	29.80	402.2	.78	19.52
ICO(ACTUAL), PCT			1.50			HOT TRANS	2.57	56.60	306.3	.64	22.00
						1975 FTP	2.59	50.62	366.7	.71	19.53
COMMENTS: MAJOR TUNE UP. REPAIR DIST TVS,REPL SPARK PLUG WIRING AND PCV HOSE.											
6180	76	PONT	LEMA	350	1	COLD TRANS	2.80	32.84	670.4	2.72	12.14
IHC, PPM HEXANE			30			COLD STAB	.36	1.59	632.2	2.14	13.96
ICO(ACTUAL), PCT			.05			HOT TRANS	.58	7.24	567.8	3.15	15.27
						1975 FTP	.92	9.56	622.5	2.53	13.86
COMMENTS: LIMITER CAP MIS. SEC PULL BACK DEF, EGR BPV DEF.											
6180	76	PONT	LEMA	350	4	COLD TRANS	3.27	32.14	658.4	2.56	12.34
IHC, PPM HEXANE			50			COLD STAB	.32	.23	606.8	1.97	14.59
ICO(ACTUAL), PCT			.03			HOT TRANS	.51	6.04	547.6	2.88	15.89
						1975 FTP	.98	8.39	601.3	2.34	14.37
COMMENTS: MAJOR TUNE UP. REPLACE EGR BPV, REPLACE SEC CHOKE PULL OFF.											
6181	76	AMC	GREM	258	1	COLD TRANS	5.62	114.85	465.4	1.89	13.37
IHC, PPM HEXANE			350			COLD STAB	5.26	156.80	388.0	.59	13.63
ICO(ACTUAL), PCT			6.20			HOT TRANS	3.95	83.68	408.6	1.85	16.06
						1975 FTP	4.97	128.22	409.5	1.20	14.16
COMMENTS: LIMITER CAP MIS. TAC SENSOR DEF,CARB FLOODS,IRPM -250, CHOKE -2. TIMG -12, DEF IGN CTO SW AND AIR DMP VALVE. EGR CTO VAL BYPASSED. EGR VAC HOSE PLUGD.											
5182	75	HOND	STAW	91	1	COLD TRANS	8.28	55.46	455.7	1.42	15.59
IHC, PPM HEXANE			150			COLD STAB	.83	23.30	497.3	1.49	16.54
ICO(ACTUAL), PCT			1.50			HOT TRANS	2.29	32.26	412.5	1.43	18.87
						1975 FTP	2.76	32.36	465.6	1.46	16.90
COMMENTS: LIMITER CAP MIS. TIMNG -20, DWELL +18, DEF VAC ADV THERMOSENSOR. HEATED AIR INLET DUCT AND BRACKET MIS. CRANK CASE VAC HOSE OFF. CRANKCASE CONDENSOR CHAMBER AND CARB AIR HORN GASKET MISSING.											

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FUEL ECONOMY IN MILES PER GALLON
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SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5182	75	HOND	STAW	91	2	COLD TRANS	3.65	28.86	381.7	1.66	20.23
IHC, PPM HEXANE		60				COLD STAB	.76	12.69	402.8	1.45	20.88
ICO(ACTUAL), PCT		3.25				HOT TRANS	1.47	12.34	337.0	1.91	24.58
						1975 FTP	1.55	15.92	380.5	1.62	21.62

COMMENTS: ADJ TIMG AND DWELL. REPL HEATED AIR DUCT AND BRACKET.
CONNECT CRANKCASE VAC LINE.

5182	75	HOND	STAW	91	3	COLD TRANS	2.84	25.71	376.7	1.74	20.83
IHC, PPM HEXANE		185				COLD STAB	.42	8.34	380.3	1.35	22.49
ICO(ACTUAL), PCT		.40				HOT TRANS	.84	8.91	313.9	1.81	26.85
						1975 FTP	1.03	12.07	361.4	1.55	23.13

COMMENTS: ADJUST IDLE MIXTURE AND IRPM.

5182	75	HOND	STAW	91	4	COLD TRANS	10.07	50.50	332.2	1.26	20.01
IHC, PPM HEXANE		80				COLD STAB	.40	6.32	344.8	1.25	24.93
ICO(ACTUAL), PCT		.30				HOT TRANS	.67	5.29	291.5	1.94	29.39
						1975 FTP	2.46	15.13	327.7	1.44	24.78

COMMENTS: MAJOR TUNE UP. REPL VAC ADV SENSOR.

6183	76	PLYM	VOLA	318	1	COLD TRANS	1.65	25.49	785.5	5.15	10.68
IHC, PPM HEXANE		140				COLD STAB	.19	1.87	817.4	2.56	10.81
ICO(ACTUAL), PCT		5.00				HOT TRANS	.60	4.04	672.2	6.02	13.04
						1975 FTP	.60	7.32	771.2	4.04	11.31

COMMENTS: LIMITER CAP MIS. EGR HOSE OFF. FAST IDLE LINK OFF..

6183	76	PLYM	VOLA	318	2	COLD TRANS	1.72	29.94	813.4	2.69	10.25
IHC, PPM HEXANE		100				COLD STAB	.23	5.70	772.9	1.37	11.34
ICO(ACTUAL), PCT		4.00				HOT TRANS	.57	6.66	656.1	3.11	13.28
						1975 FTP	.63	10.95	749.4	2.12	11.55

COMMENTS: REP AND CONNECT EGR HSE. HOOK CARB FAST IDLE LINK.

APPENDIX C

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SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
6183	76	PLYM	VOLA	318	3	COLD TRANS	1.71	30.47	824.8	2.26	10.11
IHC, PPM HEXANE			40			COLD STAB	.25	3.38	791.4	1.18	11.13
ICO(ACTUAL), PCT			1.00			HOT TRANS	.53	4.93	659.4	2.42	13.27
						1975 FTP	.62	9.38	762.2	1.74	11.39
COMMENTS: ADJUST IDLE MIXTURE AND RPM.											
6183	76	PLYM	VOLA	318	4	COLD TRANS	1.04	21.67	814.0	2.42	10.43
IHC, PPM HEXANE			35			COLD STAB	.16	1.15	789.6	1.57	11.21
ICO(ACTUAL), PCT			.90			HOT TRANS	.36	2.79	671.2	2.73	13.12
						1975 FTP	.40	5.82	762.3	2.06	11.49
COMMENTS: MAJOR TUNE UP.											
6184	76	TOYO	CORO	134	1	COLD TRANS	1.70	34.21	483.5	2.65	16.36
IHC, PPM HEXANE			15			COLD STAB	.04	1.00	473.2	1.03	18.69
ICO(ACTUAL), PCT			.02			HOT TRANS	.14	2.03	380.5	2.51	23.11
						1975 FTP	.41	8.12	450.0	1.77	19.12
COMMENTS: LIMITER CAP MIS. INLET HOSE TO AIR PUMP NOT CONNECTED. FUEL FILTER LEAK.											
6185	76	MERC	MONA	351	1	COLD TRANS	4.64	87.80	637.7	2.15	11.23
IHC, PPM HEXANE			190			COLD STAB	3.68	84.35	609.0	.83	11.78
ICO(ACTUAL), PCT			4.00			HOT TRANS	2.87	64.93	552.0	1.58	13.38
						1975 FTP	3.66	79.76	599.4	1.31	12.05
COMMENTS: LIMITER CAP MIS. TIMING OFF -8, AIR PUMP BELT MIS.											
6185	76	MERC	MONA	351	2	COLD TRANS	1.83	22.48	771.0	3.47	10.93
IHC, PPM HEXANE			25			COLD STAB	.54	4.40	764.2	1.60	11.48
ICO(ACTUAL), PCT			.03			HOT TRANS	1.09	12.34	672.5	2.64	12.76
						1975 FTP	.96	10.29	740.6	2.27	11.68
COMMENTS: ADJUST TIMING. INSTALL AIR PUMP BELT.											

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SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
6185	76	MERC	MONA	351	3	COLD TRANS	2.75	23.48	730.9	3.32	11.43
IHC, PPM HEXANE				20		COLD STAB	.45	1.38	712.4	1.63	12.40
ICO(ACTUAL), PCT				.02		HOT TRANS	1.32	4.51	620.4	2.69	14.05
						1975 FTP	1.16	6.78	691.1	2.27	12.58
COMMENTS: ADJUST IDLE MIXTURE AND RPM.											
6185	76	MERC	MONA	351	4	COLD TRANS	1.59	15.71	717.8	2.69	11.87
IHC, PPM HEXANE				15		COLD STAB	.50	2.79	699.3	1.33	12.59
ICO(ACTUAL), PCT				.02		HOT TRANS	1.29	6.80	598.1	2.45	14.48
						1975 FTP	.94	6.54	675.5	1.92	12.89
COMMENTS: MAJOR TUNE UP.											
6186	76	HOND	CVCC	91	1	COLD TRANS	4.30	21.98	366.2	4.38	21.42
IHC, PPM HEXANE				150		COLD STAB	1.43	9.00	372.5	3.14	22.69
ICO(ACTUAL), PCT				.30		HOT TRANS	1.36	6.55	317.9	4.18	26.69
						1975 FTP	2.00	11.00	356.3	3.68	23.36
COMMENTS: LIMITER CAP OK, DWELL OFF +6, DEF IGN SOL VAL CAUSING NO VAC ADV.											
6186	76	HOND	CVCC	91	2	COLD TRANS	4.11	17.91	317.4	3.87	24.75
IHC, PPM HEXANE				150		COLD STAB	1.46	7.80	333.2	2.69	25.35
ICO(ACTUAL), PCT				.30		HOT TRANS	1.58	5.46	288.7	4.32	29.36
						1975 FTP	2.04	9.24	317.8	3.38	26.20
COMMENTS: ADJ IGN DWELL AND TIMING.											
6186	76	HOND	CVCC	91	4	COLD TRANS	3.75	17.30	319.9	4.05	24.73
IHC, PPM HEXANE				125		COLD STAB	1.69	8.67	350.5	2.88	24.02
ICO(ACTUAL), PCT				.30		HOT TRANS	1.23	5.65	290.6	4.26	29.26
						1975 FTP	1.99	9.62	327.9	3.50	25.41
COMMENTS: MAJOR TUNE UP. REPAIR IGN SOLENOID WIRING.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
6187	76	FORD	PINT	140	1	COLD TRANS	3.84	25.65	529.7	1.84	15.25
IHC, PPM HEXANE				250		COLD STAB	1.94	2.10	510.5	1.25	17.07
ICO(ACTUAL), PCT				.04		HOT TRANS	1.23	5.15	434.5	2.15	19.88
						1975 FTP	2.14	7.78	493.7	1.62	17.31

COMMENTS: LIMITER CAP MIS. DEF AIR INLET FLEX DUCT, NO 4 CYL NO POWER FACTOR.
DEF MECH ADV, AIR COND VAC RES LEAK, IRPM +175.

6187	76	FORD	PINT	140	3	COLD TRANS	4.08	30.53	497.3	1.89	15.90
IHC, PPM HEXANE				230		COLD STAB	1.50	2.20	457.8	1.21	19.05
ICO(ACTUAL), PCT				.03		HOT TRANS	1.19	4.74	413.7	2.46	20.89
						1975 FTP	1.95	8.72	453.9	1.69	18.73

COMMENTS: ADJUST IDLE MIXTURE AND RPM.

6187	76	FORD	PINT	140	4	COLD TRANS	3.36	39.81	467.9	2.34	16.40
IHC, PPM HEXANE				70		COLD STAB	.74	2.51	491.0	1.16	17.85
ICO(ACTUAL), PCT				.03		HOT TRANS	.77	4.93	416.0	2.45	20.83
						1975 FTP	1.29	10.84	465.8	1.75	18.23

COMMENTS: MAJOR TUNE UP, REPAIR DIST MECH ADV AND AIR COND VAC RESERVOIR.
REPL DEF AIR INLET FLEX HOSE.

5188	75	FORD	TORI	351	1	COLD TRANS	2.13	24.15	857.8	3.18	9.83
IHC, PPM HEXANE				30		COLD STAB	1.12	4.09	940.6	1.01	9.34
ICO(ACTUAL), PCT				.04		HOT TRANS	1.37	12.59	777.1	1.76	11.08
						1975 FTP	1.40	10.54	878.9	1.66	9.86

COMMENTS: LIMITER CAP MIS. WRONG AIR FLTR, IRPM -125, NO VLTGE TO ELCT CHOKE.
PCV VENT FILTR MISSING.

5188	75	FORD	TORI	351	2	COLD TRANS	2.62	35.01	865.2	2.42	9.56
IHC, PPM HEXANE				30		COLD STAB	2.77	54.71	865.4	.79	9.24
ICO(ACTUAL), PCT				.04		HOT TRANS	1.10	17.86	761.1	1.38	11.20
						1975 FTP	2.28	40.60	836.9	1.29	9.78

COMMENTS: REPL AIR FILTR. INSTALL PCV VENT FILTR.

APPENDIX C

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LOS ANGELES

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5188	75	FORD	TORI	351	3	COLD TRANS	1.74	25.93	874.6	2.10	9.64
IHC, PPM HEXANE			40			COLD STAB	.85	2.76	944.6	1.17	9.33
ICO(ACTUAL), PCT			.02			HOT TRANS	1.15	9.55	778.8	1.76	11.13
						1975 FTP	1.11	9.38	884.9	1.52	9.83
COMMENTS: ADJUST IDLE MIXTURE AND RPM.											
5188	75	FORD	TORI	351	4	COLD TRANS	1.71	17.99	848.4	2.62	10.06
IHC, PPM HEXANE			40			COLD STAB	.92	2.48	925.2	1.32	9.52
ICO(ACTUAL), PCT			.02			HOT TRANS	1.01	11.62	757.5	2.09	11.39
						1975 FTP	1.11	8.17	863.7	1.80	10.09
COMMENTS: MAJOR TUNE UP. REPLACE ELECTRIC CHOKE WIRING.											
6189	76	CHEV	CHET	97	1	COLD TRANS	1.73	9.08	352.0	5.09	23.87
IHC, PPM HEXANE			20			COLD STAB	.28	1.94	372.9	4.03	23.55
ICO(ACTUAL), PCT			.02			HOT TRANS	.54	2.67	316.1	5.04	27.57
						1975 FTP	.65	3.61	353.1	4.53	24.60
COMMENTS: LIMITER CAP MIS. EMISSION DECAL MIS, EGR HOSE PLUGGED.											
6189	76	CHEV	CHET	97	2	COLD TRANS	1.27	7.44	381.0	2.54	22.37
IHC, PPM HEXANE			20			COLD STAB	.30	2.76	384.3	1.67	22.78
ICO(ACTUAL), PCT			.02			HOT TRANS	.33	2.40	335.4	1.87	26.09
						1975 FTP	.51	3.62	370.3	1.90	23.50
COMMENTS: UNPLUG EGR HOSE.											
7190	77	CHEV	CAMA	250	1	COLD TRANS	2.68	40.61	604.1	4.04	13.12
IHC, PPM HEXANE			50			COLD STAB	.24	1.41	607.0	2.11	14.55
ICO(ACTUAL), PCT			.03			HOT TRANS	.40	11.92	518.2	3.53	16.49
						1975 FTP	.79	12.35	582.2	2.90	14.69
COMMENTS: LIMITER CAP OK. AIR CLEANER COVER MIS.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
7190	77	CHEV	CAMA	250	2	COLD TRANS	2.43	34.85	625.1	4.62	12.91
IHC, PPM HEXANE				50		COLD STAB	.21	2.10	598.4	2.74	14.73
ICO(ACTUAL), PCT				.03		HOT TRANS	.40	14.35	520.1	4.67	16.32
						1975 FTP	.72	12.18	582.6	3.66	14.69
COMMENTS: INSTALL AIR CLEANER COVER.											
7190	77	CHEV	CAMA	250	4	COLD TRANS	1.46	26.66	567.2	3.66	14.46
IHC, PPM HEXANE				30		COLD STAB	.29	1.00	583.6	2.25	15.14
ICO(ACTUAL), PCT				.02		HOT TRANS	.48	11.03	479.0	3.36	17.83
						1975 FTP	.58	9.02	551.7	2.84	15.63
COMMENTS: MAJOR TUNE UP.											
6191	76	HOND	CVCC	91	1	COLD TRANS	1.62	17.19	355.1	1.91	22.92
IHC, PPM HEXANE				300		COLD STAB	.41	6.55	345.1	1.13	24.88
ICO(ACTUAL), PCT				.20		HOT TRANS	.51	4.96	323.0	2.03	26.70
						1975 FTP	.69	8.30	341.1	1.54	24.91
COMMENTS: LIMITER CAP OK. IRPM -250, TIMING -4, HOT AIR DUCT NOT CONNECTED.											
6192	76	FORD	LTD	400	1	COLD TRANS	3.81	52.03	839.2	2.19	9.51
IHC, PPM HEXANE				700		COLD STAB	2.36	33.30	747.9	2.00	10.99
ICO(ACTUAL), PCT				10.00		HOT TRANS	2.02	28.77	720.6	2.75	11.49
						1975 FTP	2.57	35.92	759.2	2.24	10.77
COMMENTS: LIMITER CAP MIS, CHOKE 5 NOTCH LEAN, CHOKE PULL OFF DEF. HEATED AIR DUCT MISS. TAC SENSOR DEF.											
7193	77	PONT	VENT	350	1	COLD TRANS	2.11	27.63	726.7	2.96	11.43
IHC, PPM HEXANE				20		COLD STAB	.20	.38	671.7	2.13	13.19
ICO(ACTUAL), PCT				.02		HOT TRANS	.31	2.45	590.2	3.11	14.91
						1975 FTP	.63	6.56	660.8	2.57	13.19
COMMENTS: LIMITER CAP OK. DEF EGR TVS AND EGR VALVE.											

APPENDIX C

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5194	75	FORD	TORI	351	1	COLD TRANS	2.53	32.23	903.6	1.74	9.22
IHC, PPM HEXANE				90		COLD STAB	.44	5.88	910.4	1.01	9.64
ICO(ACTUAL), PCT				.03		HOT TRANS	1.41	19.61	751.0	1.67	11.29
						1975 FTP	1.13	15.05	865.5	1.34	9.94
COMMENTS: LIMITER CAP MIS, CHOKE -3 NOTCH.											
5194	75	FORD	TORI	351	2	COLD TRANS	2.25	28.80	887.6	2.38	9.44
IHC, PPM HEXANE				90		COLD STAB	.52	7.34	886.1	1.16	9.87
ICO(ACTUAL), PCT				.03		HOT TRANS	1.28	13.96	750.6	1.90	11.43
						1975 FTP	1.09	13.56	849.4	1.61	10.15
COMMENTS: ADJUST CHOKE.											
5194	75	FORD	TORI	351	3	COLD TRANS	2.05	15.71	849.9	3.06	10.07
IHC, PPM HEXANE				60		COLD STAB	.40	1.61	904.1	1.33	9.78
ICO(ACTUAL), PCT				.01		HOT TRANS	1.48	8.69	750.4	2.03	11.54
						1975 FTP	1.04	6.44	851.0	1.88	10.27
COMMENTS: ADJ IDLE MIXTURE AND IRPM.											
5194	75	FORD	TORI	351	4	COLD TRANS	2.11	26.02	863.0	2.69	9.75
IHC, PPM HEXANE				10		COLD STAB	.46	3.32	948.5	1.41	9.29
ICO(ACTUAL), PCT				.01		HOT TRANS	1.17	12.95	770.7	1.93	11.17
						1975 FTP	.99	10.62	882.4	1.81	9.84
COMMENTS: MAJOR TUNE UP.											
6195	76	BMW	2002	121	1	COLD TRANS	.84	14.68	493.4	1.98	17.10
IHC, PPM HEXANE				60		COLD STAB	.58	10.10	479.7	1.24	17.84
ICO(ACTUAL), PCT				1.70		HOT TRANS	.83	7.97	391.9	1.78	21.81
						1975 FTP	.70	10.46	458.6	1.54	18.60
COMMENTS: MIXTURE ADJ PLUG OK. TIMING -20 AT 2800 RPM. DIST VAC RTD DISCONNECTED AT CARB. DIST VAC ADV LINE DISCONNECTED AT CARB.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5196	75	HOND	CVCC	91	1	COLD TRANS	3.70	24.71	335.4	2.89	23.00
IHC, PPM HEXANE			700			COLD STAB	.66	7.08	351.8	2.06	24.31
ICO(ACTUAL), PCT			.25			HOT TRANS	.71	4.29	291.7	3.31	29.51
						1975 FTP	1.30	9.95	332.1	2.57	25.23
COMMENTS: LIMITER CAP MIS. TIMING +8, NO 3 SPARK PLUG WIRE DEF.											
5196	75	HOND	CVCC	91	2	COLD TRANS	8.43	14.71	346.4	1.95	22.40
IHC, PPM HEXANE			400			COLD STAB	.50	7.03	363.1	1.67	23.62
ICO(ACTUAL), PCT			.25			HOT TRANS	1.44	5.10	302.0	2.48	28.21
						1975 FTP	2.39	8.08	343.0	1.95	24.43
COMMENTS: ADJUST IGN TIMING.											
5196	75	HOND	CVCC	91	4	COLD TRANS	2.70	24.90	330.6	2.18	23.46
IHC, PPM HEXANE			100			COLD STAB	.52	6.93	368.6	1.64	23.29
ICO(ACTUAL), PCT			.25			HOT TRANS	.67	4.68	312.2	2.42	27.59
						1975 FTP	1.01	10.02	345.4	1.96	24.36
COMMENTS: MAJOR TUNE UP. REPL NO.3 SPARK PLUG WIRE.											
5197	75	HOND	CVCC	91	1	COLD TRANS	4.84	26.41	366.8	2.66	20.95
IHC, PPM HEXANE			120			COLD STAB	.70	7.83	383.3	2.15	22.31
ICO(ACTUAL), PCT			.25			HOT TRANS	1.23	6.30	330.3	2.93	25.88
						1975 FTP	1.70	11.23	365.4	2.47	22.85
COMMENTS: LIMITER CAP OK. IDLE RPM +125 RPM.											
5198	75	HOND	CVCC	76	1	COLD TRANS	2.91	75.96	399.8	.76	16.80
IHC, PPM HEXANE			200			COLD STAB	1.55	18.62	392.3	.94	20.81
ICO(ACTUAL), PCT			4.00			HOT TRANS	1.17	17.13	305.8	2.03	26.38
						1975 FTP	1.73	30.02	370.2	1.20	20.99
COMMENTS: LIMITER CAP MIS. AIR CLEANER WING NUT MIS. PCV ORIFICE PLUGGED AT CARB, DWELL +8, TIMING -10.											

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VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5198	75	HOND	CVCC	76	2	COLD TRANS	3.19	76.71	359.7	.96	18.10
IHC, PPM HEXANE			190			COLD STAB	.48	31.20	478.5	.43	16.78
ICO(ACTUAL), PCT			3.50			HOT TRANS	1.53	18.30	279.7	2.90	28.32
						1975 FTP	1.32	37.05	399.8	1.21	19.20
COMMENTS: ADJUST IGN DWELL AND TIMING.											
5198	75	HOND	CVCC	76	3	COLD TRANS	5.38	72.03	310.9	1.05	20.12
IHC, PPM HEXANE			220			COLD STAB	2.12	20.23	328.9	1.18	24.16
ICO(ACTUAL), PCT			.70			HOT TRANS	1.81	15.01	272.8	2.73	29.38
						1975 FTP	2.70	29.47	309.9	1.58	24.33
COMMENTS: ADJ IDLE MIXTURE AND IRPM.											
5198	75	HOND	CVCC	76	4	COLD TRANS	3.34	59.11	338.6	3.22	20.08
IHC, PPM HEXANE			110			COLD STAB	2.50	23.91	349.7	1.62	22.46
ICO(ACTUAL), PCT			.70			HOT TRANS	2.03	18.44	297.0	3.49	26.70
						1975 FTP	2.54	29.66	333.0	2.46	22.89
COMMENTS: MAJOR TUNE UP.											
6199	76	TOYO	CORO	97	1	COLD TRANS	2.34	33.20	407.5	2.63	19.00
IHC, PPM HEXANE			25			COLD STAB	.32	8.77	484.2	1.18	17.79
ICO(ACTUAL), PCT			1.00			HOT TRANS	.68	8.52	391.8	2.58	21.79
						1975 FTP	.84	13.73	443.2	1.86	18.99
COMMENTS: LIMITER CAP OK, TIMING +4, DWELL -4.											
6200	76	VOLK	RABB	97	1	COLD TRANS	11.06	184.99	256.7	1.02	15.24
IHC, PPM HEXANE			300			COLD STAB	8.74	155.09	269.2	.83	16.42
ICO(ACTUAL), PCT			6.00			HOT TRANS	5.82	107.77	231.9	1.07	21.14
						1975 FTP	8.42	148.33	256.5	.93	17.19
COMMENTS: MIXTURE ADJUST PLUG OK, IRPM -275, NO 1 AND 4 SPARK PLUGS FOULED. EGR VAL INOP. VAC RESERVOIR HOSE DRY AND CRACKING.											

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SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5201	75	MERC	MONA	302	1	COLD TRANS	2.66	52.45	829.4	2.91	9.64
IHC, PPM HEXANE				30		COLD STAB	1.29	10.90	811.0	2.13	10.66
ICO(ACTUAL), PCT				.10		HOT TRANS	1.30	16.21	746.6	3.06	11.44
						1975 FTP	1.57	20.90	797.2	2.54	10.63
COMMENTS: LIMITER CAP MIS. PORTED VAC LINE FOR EGR AND VAC ADV OFF AT CARB.											
5201	75	MERC	MONA	302	2	COLD TRANS	5.33	75.74	873.1	1.47	8.80
IHC, PPM HEXANE				30		COLD STAB	1.41	11.25	849.9	1.13	10.18
ICO(ACTUAL), PCT				.10		HOT TRANS	2.09	25.21	761.1	1.67	10.99
						1975 FTP	2.40	28.33	830.4	1.35	10.06
COMMENTS: CONNECT EGR AND VAC ADV HOSE AT CARB.											
5201	75	MERC	MONA	302	3	COLD TRANS	3.04	52.03	836.5	1.28	9.57
IHC, PPM HEXANE				25		COLD STAB	1.07	6.65	841.0	1.21	10.38
ICO(ACTUAL), PCT				.03		HOT TRANS	1.73	18.41	745.2	1.56	11.38
						1975 FTP	1.66	19.20	813.9	1.32	10.45
COMMENTS: ADJ IDLE MIXTURE AND IRPM.											
5201	75	MERC	MONA	302	4	COLD TRANS	2.43	41.42	847.5	1.46	9.64
IHC, PPM HEXANE				20		COLD STAB	.96	5.40	834.4	1.31	10.49
ICO(ACTUAL), PCT				.02		HOT TRANS	1.58	14.60	724.3	1.66	11.80
						1975 FTP	1.43	15.32	807.0	1.43	10.62
COMMENTS: MAJOR TUNE UP.											
5202	75	DATS	280Z	168	1	COLD TRANS	8.36	167.88	351.6	.55	13.83
IHC, PPM HEXANE				400		COLD STAB	9.22	198.01	409.3	.45	11.84
ICO(ACTUAL), PCT				6.10		HOT TRANS	6.80	153.40	342.0	.54	14.68
						1975 FTP	8.39	179.63	379.1	.50	12.90
COMMENTS: MIXTURE ADJ PLUG OK, AFC FUEL INJECTION TOO RICH.											

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SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5203	75	TOYO	CELI	134	1	COLD TRANS	3.34	36.07	454.8	1.69	17.00
IHC, PPM HEXANE				20		COLD STAB	.39	5.68	564.9	.79	15.43
ICO(ACTUAL), PCT				.03		HOT TRANS	1.05	12.56	434.2	1.55	19.41
						1975 FTP	1.18	13.81	506.6	1.18	16.68
COMMENTS: LIMITER CAP OK.											
5204	75	CHEV	MONZ	140	1	COLD TRANS	2.88	70.61	524.7	1.61	13.76
IHC, PPM HEXANE				40		COLD STAB	1.76	59.39	501.4	.57	14.78
ICO(ACTUAL), PCT				.70		HOT TRANS	2.52	55.60	453.1	1.29	16.18
						1975 FTP	2.20	60.66	493.0	.98	14.91
COMMENTS: LIMITER CAP MIS. CHOKE NOTCH -3, CHOKE SOLENOID WIRE NOT CONNECTED. AIR CLEANER STUD HOLDING CHOKE PLATE WIDE OPEN.											
5204	75	CHEV	MONZ	140	2	COLD TRANS	3.30	65.63	511.3	1.67	14.20
IHC, PPM HEXANE				40		COLD STAB	1.44	47.80	488.1	.56	15.63
ICO(ACTUAL), PCT				.70		HOT TRANS	2.70	43.93	442.3	1.27	17.07
						1975 FTP	2.17	50.41	480.4	.98	15.67
COMMENTS: ADJ CHOKE. CONNECT CHOKE SOLENOID WIRE. UNBLOCK CHOKE PLATE.											
5204	75	CHEV	MONZ	140	3	COLD TRANS	4.47	80.19	599.5	1.81	12.00
IHC, PPM HEXANE				45		COLD STAB	2.25	58.62	537.7	.72	13.93
ICO(ACTUAL), PCT				.40		HOT TRANS	7.37	51.73	488.2	1.71	14.97
						1975 FTP	4.10	61.18	537.0	1.22	13.74
COMMENTS: ADJ IDLE MIXTURE AND IRPM.											
5204	75	CHEV	MONZ	140	4	COLD TRANS	3.48	66.91	526.3	1.92	13.81
IHC, PPM HEXANE				50		COLD STAB	2.22	54.12	470.1	.77	15.79
ICO(ACTUAL), PCT				.40		HOT TRANS	2.35	43.87	442.0	1.60	17.12
						1975 FTP	2.52	53.95	474.0	1.23	15.66
COMMENTS: MAJOR TUNE UP.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
6205	76	FORD	PINT	140	1	COLD TRANS	3.69	41.11	447.9	4.14	16.93
IHC, PPM HEXANE				70		COLD STAB	1.15	28.64	458.2	1.56	17.51
ICO(ACTUAL), PCT				.20		HOT TRANS	1.41	26.13	372.4	2.96	21.24
						1975 FTP	1.74	30.52	432.7	2.47	18.26
COMMENTS: LIMITER CAP MIS, TIMING +6.											
6205	76	FORD	PINT	140	2	COLD TRANS	7.41	53.23	394.9	2.24	17.68
IHC, PPM HEXANE				50		COLD STAB	1.62	33.89	461.4	1.28	17.08
ICO(ACTUAL), PCT				.10		HOT TRANS	1.68	30.92	360.7	2.25	21.41
						1975 FTP	2.83	37.06	420.2	1.74	18.21
COMMENTS: ADJ TIMING.											
6205	76	FORD	PINT	140	4	COLD TRANS	4.77	59.67	443.5	1.93	16.07
IHC, PPM HEXANE				20		COLD STAB	1.59	23.35	493.2	1.01	16.59
ICO(ACTUAL), PCT				.10		HOT TRANS	1.68	23.59	396.4	2.02	20.23
						1975 FTP	2.27	30.89	456.6	1.48	17.32
COMMENTS: MAJOR TUNE UP.											
5206	75	DATS	B210	85	1	COLD TRANS	2.26	29.78	372.8	2.48	20.80
IHC, PPM HEXANE				40		COLD STAB	.18	3.15	445.6	1.53	19.68
ICO(ACTUAL), PCT				.60		HOT TRANS	.97	12.40	350.4	2.55	23.80
						1975 FTP	.82	11.15	404.6	2.01	20.89
COMMENTS: LIMITER CAP MIS, TIMING -8.											
5206	75	DATS	B210	85	2	COLD TRANS	2.89	27.16	372.4	3.33	20.92
IHC, PPM HEXANE				35		COLD STAB	.43	3.07	421.9	1.91	20.73
ICO(ACTUAL), PCT				.40		HOT TRANS	.92	12.81	336.2	3.02	24.70
						1975 FTP	1.07	10.69	388.3	2.50	21.73
COMMENTS: ADJ TIMING.											

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FUEL ECONOMY IN MILES PER GALLON
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SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5206	75	DATS	B210	85	4	COLD TRANS	2.28	21.98	348.8	3.10	22.72
IHC, PPM HEXANE			60			COLD STAB	.46	2.69	387.4	1.58	22.58
ICO(ACTUAL), PCT			.20			HOT TRANS	.79	8.30	313.8	2.92	26.95
						1975 FTP	.93	8.19	359.4	2.26	23.66
COMMENTS: MAJOR TUNE UP.											
6207	76	OLDS	CUTL	350	1	COLD TRANS	3.53	49.16	656.9	1.73	11.91
IHC, PPM HEXANE			150			COLD STAB	1.53	56.32	656.3	.91	11.84
ICO(ACTUAL), PCT			5.00			HOT TRANS	1.24	32.56	608.0	1.66	13.39
						1975 FTP	1.86	48.36	643.3	1.28	12.24
COMMENTS: LIMITER CAP MIS, DEF DIST VAC ADV DELAY VALVE.											
6207	76	OLDS	CUTL	350	3	COLD TRANS	2.12	26.99	787.5	2.14	10.61
IHC, PPM HEXANE			20			COLD STAB	.21	1.18	768.7	1.17	11.51
ICO(ACTUAL), PCT			.02			HOT TRANS	.62	6.30	673.1	1.92	12.96
						1975 FTP	.71	7.89	746.5	1.58	11.66
COMMENTS: ADJ IDLE MIXTURE AND IRPM.											
7208	77	CHEV	STAW	350	1	COLD TRANS	3.02	41.28	661.7	2.32	12.06
IHC, PPM HEXANE			40			COLD STAB	.61	5.91	704.0	1.68	12.41
ICO(ACTUAL), PCT			.03			HOT TRANS	.72	7.69	608.6	2.37	14.25
						1975 FTP	1.14	13.67	669.3	2.00	12.78
COMMENTS: LIMITER CAP MIS.											
7208	77	CHEV	STAW	350	3	COLD TRANS	1.06	19.25	702.5	2.23	12.06
IHC, PPM HEXANE			20			COLD STAB	.37	3.50	664.1	1.68	13.23
ICO(ACTUAL), PCT			.02			HOT TRANS	1.08	10.39	577.4	2.36	14.86
						1975 FTP	.71	8.62	648.4	1.98	13.36
COMMENTS: ADJ IDLE MIXTURE AND IRPM.											

APPENDIX C

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FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
7208	77	CHEV	STAW	350	4	COLD TRANS	1.41	18.13	669.4	2.27	12.64
IHC, PPM HEXANE				20		COLD STAB	.34	1.64	655.4	1.66	13.47
ICO(ACTUAL), PCT				.02		HOT TRANS	.72	5.99	579.6	2.33	15.01
						1975 FTP	.66	6.22	637.6	1.97	13.66
COMMENTS: MAJOR TUNE UP.											
5209	75	DATS	STAW	119	1	COLD TRANS	3.28	56.63	409.4	2.10	17.45
IHC, PPM HEXANE				100		COLD STAB	1.17	24.30	436.3	1.30	18.56
ICO(ACTUAL), PCT				.40		HOT TRANS	1.22	19.19	363.4	2.24	22.33
						1975 FTP	1.62	29.56	410.9	1.72	19.19
COMMENTS: LIMITER CAP OK, DIVERTER VAL DEF, TRAN 3RD GEAR SWITCH MALADJUSTED.											
6210	76	MERC	COUG	351	1	COLD TRANS	16.71	113.12	895.0	1.01	7.88
IHC, PPM HEXANE				10		COLD STAB	.37	21.05	940.2	.81	9.11
ICO(ACTUAL), PCT				.01		HOT TRANS	.82	37.99	857.6	.98	9.65
						1975 FTP	3.85	44.62	908.4	.90	8.96
COMMENTS: LIMITER CAP MIS, CHOKE PULL OFF VAC PLUGGED, NO FAST IDLE. CHOKE PULL OFF DEF, TIMING OFF -8.											
6210	76	MERC	COUG	351	2	COLD TRANS	18.30	69.39	809.4	1.00	9.09
IHC, PPM HEXANE				20		COLD STAB	.41	3.89	818.5	1.20	10.75
ICO(ACTUAL), PCT				.01		HOT TRANS	1.10	16.41	730.3	1.30	11.68
						1975 FTP	4.28	20.78	792.6	1.19	10.58
COMMENTS: ADJ IGN TIMING, CONNECT CHOKE PULL OFF VAC HOSE.											
6210	76	MERC	COUG	351	3	COLD TRANS	16.74	66.91	814.9	1.06	9.12
IHC, PPM HEXANE				15		COLD STAB	.48	5.19	824.1	1.22	10.64
ICO(ACTUAL), PCT				.01		HOT TRANS	1.14	15.68	736.7	1.31	11.60
						1975 FTP	4.01	20.76	798.4	1.21	10.52
COMMENTS: ADJ IDLE MIXTURE AND IRPM.											

APPENDIX C

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SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
6210	76	MERC	COUG	351	4	COLD TRANS	2.05	52.84	924.9	1.37	8.75
IHC, PPM HEXANE				20		COLD STAB	.73	8.59	903.7	1.13	9.65
ICO(ACTUAL), PCT				.01		HOT TRANS	1.36	17.74	800.1	1.47	10.66
						1975 FTP	1.18	20.20	879.8	1.27	9.70
COMMENTS: MAJOR TUNE UP, REPLACE CHOKE PULL OFF.											
7211	77	OLDS	CUTL	350	1	COLD TRANS	3.35	25.18	734.3	1.38	11.31
IHC, PPM HEXANE				25		COLD STAB	.23	2.23	723.8	.82	12.19
ICO(ACTUAL), PCT				.03		HOT TRANS	.56	8.80	631.6	1.05	13.71
						1975 FTP	.96	8.74	700.8	1.00	12.37
COMMENTS: LIMITER CAP MIS, HEATED AIR DUCT NOT CONNECTED, LIFTER NOISY.											
7212	77	OLDS	CUTL	350	1	COLD TRANS	.85	14.18	707.5	1.88	12.12
IHC, PPM HEXANE				50		COLD STAB	.30	1.87	703.2	.98	12.55
ICO(ACTUAL), PCT				.20		HOT TRANS	.61	3.45	596.2	1.63	14.71
						1975 FTP	.49	4.83	674.9	1.34	12.98
COMMENTS: LIMITER CAP BROKEN.											
7212	77	OLDS	CUTL	350	3	COLD TRANS	1.00	18.44	688.7	1.81	12.31
IHC, PPM HEXANE				20		COLD STAB	.23	1.38	666.9	1.05	13.25
ICO(ACTUAL), PCT				.05		HOT TRANS	.75	9.28	593.3	1.51	14.54
						1975 FTP	.53	7.05	651.3	1.33	13.37
COMMENTS: ADJ IDLE MIXTURE AND IRPM.											
7212	77	OLDS	CUTL	350	4	COLD TRANS	1.67	30.33	611.3	3.08	13.36
IHC, PPM HEXANE				15		COLD STAB	.33	13.91	640.8	1.30	13.37
ICO(ACTUAL), PCT				.01		HOT TRANS	.55	17.80	558.2	2.49	15.10
						1975 FTP	.66	18.35	612.2	1.99	13.80
COMMENTS: MAJOR TUNE UP.											

APPENDIX C

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SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
7213	77	OLDS	CUTL	350	1	COLD TRANS	2.00	24.51	731.3	2.91	11.44
IHC, PPM HEXANE				20		COLD STAB	.29	2.76	715.4	2.20	12.31
ICO(ACTUAL), PCT				.01		HOT TRANS	.58	11.06	629.0	2.65	13.69
						1975 FTP	.72	9.50	695.1	2.47	12.46
COMMENTS: LIMITER CAP MIS,IDLE RPM -110, IGN TIMG -12, PCV VENT HOSE DISCNCTD VAC ADV AND EGR VAC TEE BROKEN. DEF EGR VALVE AND TAC SENSOR. AIR DUCTS MISSING.											
5214	75	FORD	LTD	460	1	COLD TRANS	3.60	29.44	869.3	3.18	9.57
IHC, PPM HEXANE				40		COLD STAB	.91	5.86	835.3	1.66	10.47
ICO(ACTUAL), PCT				.05		HOT TRANS	1.62	10.72	740.0	2.72	11.65
						1975 FTP	1.66	12.04	816.3	2.26	10.56
COMMENTS: LIMITER CAP MIS, IRPM -120, GAS LEAK AT CARB INLET.											
5214	75	FORD	LTD	460	3	COLD TRANS	2.06	25.93	970.8	2.85	8.72
IHC, PPM HEXANE				20		COLD STAB	.33	7.39	1011.2	1.45	8.67
ICO(ACTUAL), PCT				.01		HOT TRANS	.92	14.26	860.2	1.93	10.02
						1975 FTP	.85	13.08	961.7	1.87	9.01
COMMENTS: ADJ IDLE MIXTURE AND IRPM.											
5214	75	FORD	LTD	460	4	COLD TRANS	2.09	29.44	933.5	2.52	9.00
IHC, PPM HEXANE				20		COLD STAB	.51	4.76	958.6	1.36	9.17
ICO(ACTUAL), PCT				.01		HOT TRANS	1.00	8.11	840.9	2.23	10.36
						1975 FTP	.97	10.75	921.3	1.83	9.43
COMMENTS: MAJOR TUNE UP.											
6215	76	MERC	COUG	351	1	COLD TRANS	9.89	76.43	772.2	1.58	9.61
IHC, PPM HEXANE				40		COLD STAB	.69	25.70	871.9	1.03	9.71
ICO(ACTUAL), PCT				.20		HOT TRANS	1.75	22.20	700.1	1.99	11.99
						1975 FTP	2.87	35.19	804.5	1.40	10.21
COMMENTS: LIMITER CAP MIS, TIMING -4, TAC SENSOR DEF.											

APPENDIX C

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VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
6215	76	MERC	COUG	351	2	COLD TRANS	11.48	69.05	777.8	1.61	9.62
IHC, PPM HEXANE				50		COLD STAB	.64	20.59	844.6	.93	10.10
ICO(ACTUAL), PCT				.20		HOT TRANS	1.55	24.57	694.7	2.13	12.02
						1975 FTP	3.12	31.65	790.0	1.40	10.45
COMMENTS: ADJ TIMING.											
6215	76	MERC	COUG	351	3	COLD TRANS	5.93	41.14	759.3	1.72	10.53
IHC, PPM HEXANE				30		COLD STAB	.68	3.94	756.6	1.93	11.60
ICO(ACTUAL), PCT				.03		HOT TRANS	1.14	10.78	609.1	2.39	14.10
						1975 FTP	1.89	13.46	716.9	2.01	11.93
COMMENTS: ADJ IDLE MIXTURE AND IRPM.											
6215	76	MERC	COUG	351	4	COLD TRANS	11.76	60.72	798.1	1.60	9.54
IHC, PPM HEXANE				20		COLD STAB	.67	4.88	807.8	1.45	10.86
ICO(ACTUAL), PCT				.02		HOT TRANS	1.64	11.50	705.5	2.25	12.18
						1975 FTP	3.21	18.18	777.9	1.70	10.87
COMMENTS: MAJOR TUNE UP. REPLACE TAC SENSORS.											
6216	76	FORD	MUST	171	1	COLD TRANS	1.45	23.15	515.6	4.54	15.95
IHC, PPM HEXANE				20		COLD STAB	.60	11.07	616.3	2.48	13.96
ICO(ACTUAL), PCT				.05		HOT TRANS	.96	18.58	470.2	4.15	17.66
						1975 FTP	.87	15.61	555.7	3.36	15.22
COMMENTS: LIMITER CAP MIS, TAC HOSE REROUTED, TAC SYSTEM DISABLED. SPARK PLUG WIRE LEAKS. EGR BPT VAL DEF AND HOSES ROUTED WRONG. VAC DIFF VALVE HOSES CONNECTED IN CIRCLE.											
6217	76	CADI	DEVI	500	1	COLD TRANS	1.94	34.26	835.6	3.53	9.91
IHC, PPM HEXANE				15		COLD STAB	.45	.82	813.5	1.81	10.87
ICO(ACTUAL), PCT				.02		HOT TRANS	.84	4.85	718.8	2.74	12.17
						1975 FTP	.87	8.80	792.2	2.42	10.97
COMMENTS: LIMITER CAP OK, TIMING -3, VAC ADV LEAKS.											

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VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5218	75	CHEV	CAPR	400	1	COLD TRANS	10.42	45.10	815.9	3.19	9.65
IHC, PPM HEXANE			190			COLD STAB	7.05	16.32	732.3	2.27	11.37
ICO(ACTUAL), PCT			.40			HOT TRANS	11.55	56.88	705.4	2.25	10.67
						1975 FTP	8.97	33.31	742.2	2.46	10.78
COMMENTS: LIMITER CAP OK, TIMING +12 OVER SPEC, DIST MECH ADVANCE DEF. CHOKE +3 NOTCH. AIR PUMP BELT LOOSE.											
5219	75	FORD	PINT	140	1	COLD TRANS	3.82	68.69	554.0	.74	13.17
IHC, PPM HEXANE			40			COLD STAB	.48	24.88	617.0	.44	13.50
ICO(ACTUAL), PCT			.50			HOT TRANS	.85	31.23	476.1	.55	16.81
						1975 FTP	1.27	35.63	565.6	.53	14.19
COMMENTS: LIMITER CAP MIS, AIR CLEANER AIR DUCT TORN, IDLE RPM -150 RPM.											
5220	75	FORD	ELIT	351	1	COLD TRANS	7.88	76.88	736.5	4.30	10.06
IHC, PPM HEXANE			290			COLD STAB	4.58	30.79	762.3	2.61	10.76
ICO(ACTUAL), PCT			1.20			HOT TRANS	4.81	30.75	680.0	4.75	11.94
						1975 FTP	5.32	40.27	734.5	3.54	10.89
COMMENTS: LIMITER CAP MIS, EGR TVS DEF.											
5221	75	FORD	PINT	140	1	COLD TRANS	1.43	18.94	502.0	1.45	16.55
IHC, PPM HEXANE			20			COLD STAB	.32	5.47	552.9	.97	15.78
ICO(ACTUAL), PCT			.05			HOT TRANS	.63	8.55	443.7	1.50	19.33
						1975 FTP	.64	9.09	512.6	1.21	16.78
COMMENTS: LIMITER CAP MIS,TIMING +6,AIR CLENR DUCT TORN,DEF SPARK DELAY VALVE DECEL VALVE NOT WORKING, HOSES PINCHED BY AIR CLEANER. FUEL HOSES CRACKED AND BRITTLE.											
6222	76	MERC	STAW	351	1	COLD TRANS	8.26	102.26	776.4	2.69	9.21
IHC, PPM HEXANE			670			COLD STAB	5.59	100.28	656.6	2.42	10.67
ICO(ACTUAL), PCT			8.00			HOT TRANS	5.57	65.85	640.4	3.01	11.65
						1975 FTP	6.13	91.29	676.9	2.63	10.57
COMMENTS: LIMITER CAP MIS, CHOKE 4 NOTCH LEAN, CHOKE PULL OFF DEF. TIMING -15 FROM SPEC, IRPM -225, DEF AIR DIVERTER VAL.											

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VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5223	75	CHEV	STAW	350	1	COLD TRANS	5.57	60.92	653.5	7.72	11.57
IHC, PPM HEXANE			200			COLD STAB	5.05	78.64	629.2	5.57	11.55
ICO(ACTUAL), PCT			3.10			HOT TRANS	4.40	55.91	582.9	8.07	12.96
						1975 FTP	4.98	68.79	621.5	6.70	11.91

COMMENTS: LIMITER CAP MIS. TAC SENSOR OUT OF SPEC, CHOKE 6 NOTCHES LEAN.
EFE LINK OFF AND VALVE NOISY.EGR VAC LINE FROM CARB TO TVS PLUGGED.
PRI AND SEC CHOKE PULL OFF DIAPHRAM DEF.
PCV VENT HOSE NOT CONNECTED.

7224	77	CHEV	CAMA	305	1	COLD TRANS	2.84	33.68	530.7	2.44	14.98
IHC, PPM HEXANE			740			COLD STAB	.92	10.69	529.5	1.40	16.16
ICO(ACTUAL), PCT			2.50			HOT TRANS	1.53	15.38	466.3	1.90	17.92
						1975 FTP	1.48	16.70	512.5	1.75	16.33

COMMENTS: LIMITER CAP MIS, IRPM -200 RPM, TAC SENSOR DEF.
PCV VALVE HOSE OILY AND ALMOST CLOSED.

5225	75	CHEV	MONZ	140	1	COLD TRANS	3.64	43.76	474.7	3.56	15.99
IHC, PPM HEXANE			50			COLD STAB	1.00	10.84	455.1	2.97	18.67
ICO(ACTUAL), PCT			.05			HOT TRANS	1.26	18.64	419.7	3.67	19.59
						1975 FTP	1.61	19.74	449.5	3.28	18.28

COMMENTS: LIMITER CAP MIS, CHOKE -2, CHOKE PULL OFF SOLENOID DEF AND LINK OFF
SPARK DELAY VAL BYPASSED. EGR HOSE PLUGGED AT EGR VALVE.

6226	76	HOND	STAW	91	1	COLD TRANS	1.28	27.77	385.7	2.74	20.48
IHC, PPM HEXANE			90			COLD STAB	.20	4.86	398.1	1.70	21.84
ICO(ACTUAL), PCT			.20			HOT TRANS	1.10	7.60	341.5	2.54	24.86
						1975 FTP	.67	10.32	380.1	2.14	22.28

COMMENTS: LIMITER CAP OK, DEF DIST VAC ADVANCE.

6227	76	LINC	CONT	460	1	COLD TRANS	5.51	73.06	900.0	1.68	8.60
IHC, PPM HEXANE			425			COLD STAB	3.27	66.93	925.1	.96	8.53
ICO(ACTUAL), PCT			8.20			HOT TRANS	1.45	32.40	830.4	1.72	10.02
						1975 FTP	3.24	58.77	894.1	1.31	8.90

COMMENTS: LIMITER CAP MIS,IRPM -250, FUEL LEAK AT CARB INLET,TAC SENSOR DEF.
FRESH AIR DUCT WORN.

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5228	75	PONT	GRNV	400	1	COLD TRANS	2.49	41.70	741.0	3.45	10.90
IHC, PPM HEXANE				50		COLD STAB	.57	9.08	794.6	2.18	10.95
ICO(ACTUAL), PCT				.02		HOT TRANS	1.45	19.81	689.6	3.72	12.24
						1975 FTP	1.21	18.72	754.9	2.86	11.26
COMMENTS: LIMITER CAP MIS, TAC AIR DUCT WORN, EGR BPT DEF.											
5229	75	FORD	PINT	171	1	COLD TRANS	2.01	41.62	647.5	2.32	12.34
IHC, PPM HEXANE				40		COLD STAB	.16	8.31	693.6	1.05	12.55
ICO(ACTUAL), PCT				.05		HOT TRANS	.71	11.14	585.6	1.64	14.66
						1975 FTP	.69	15.94	654.6	1.47	13.02
COMMENTS: LIMITER CAP MIS, TAC SENSOR DEF.											
6230	76	BUIC	REGA	350	1	COLD TRANS	3.33	50.19	623.3	4.59	12.45
IHC, PPM HEXANE				100		COLD STAB	.48	6.11	625.7	2.25	13.94
ICO(ACTUAL), PCT				.05		HOT TRANS	1.40	7.94	564.5	4.26	15.27
						1975 FTP	1.32	15.68	608.5	3.28	13.93
COMMENTS: LIMITER CAP MIS,IDLE RPM -120,PCV HOSE NOT CONNECTED TO AIR CLEANER											
5231	75	CADI	COUP	500	1	COLD TRANS	2.30	46.63	981.9	1.31	8.35
IHC, PPM HEXANE				10		COLD STAB	.16	9.31	923.9	1.02	9.45
ICO(ACTUAL), PCT				.02		HOT TRANS	.98	33.26	848.3	1.08	9.82
						1975 FTP	.83	23.53	915.2	1.10	9.30
COMMENTS: LIMITER CAP OK, VAC ADVANCE DEF, IRPM -110 RPM, TIMING -3. EXHAUST HEAT CONTROL RATTLE.											
5232	75	FORD	PINT	140	1	COLD TRANS	5.73	92.23	509.6	1.62	13.19
IHC, PPM HEXANE				20		COLD STAB	.60	7.26	545.0	.80	15.90
ICO(ACTUAL), PCT				.02		HOT TRANS	.97	14.29	485.2	1.77	17.38
						1975 FTP	1.76	26.67	521.4	1.23	15.60
COMMENTS: LIMITER CAP OK, CHOKE PULL OFF OFF -.072, CHOKE NOTCH +4 AIR VAC SOLENOID SENSOR DEF. PCV VAL TORN ON THE SIDE.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
6233	76	HOND	CVCC	91	1	COLD TRANS	1.72	20.39	303.8	2.46	26.01
IHC, PPM HEXANE			200			COLD STAB	1.10	11.79	311.2	1.44	26.64
ICO(ACTUAL), PCT			1.60			HOT TRANS	1.38	6.10	271.5	2.72	31.09
						1975 FTP	1.30	12.01	298.8	2.00	27.58
COMMENTS: LIMITER CAP OK, MANUAL CHOKE PRI VAC BREAK .040 TOO LEAN, SEC OK. VAC ADVANCE DEF. TIMING +3.											
5234	75	FORD	GRAN	250	1	COLD TRANS	1.76	26.16	616.8	6.33	13.38
IHC, PPM HEXANE			180			COLD STAB	.34	.15	623.3	5.36	14.21
ICO(ACTUAL), PCT			.01			HOT TRANS	.53	4.68	547.7	6.46	15.94
						1975 FTP	.68	6.74	601.3	5.86	14.45
COMMENTS: LIMITER CAP MIS, TAC HOSE MIS, DIST SPARK DELAY VALVE MISSING. EGR VAL HOSE ROUTED TO TRANS MODULATOR AND VAC TEE MISSING.											
5235	75	CHEV	CAMA	350	1	COLD TRANS	6.01	119.58	639.7	4.15	10.48
IHC, PPM HEXANE			1100			COLD STAB	1.30	14.25	683.7	2.47	12.50
ICO(ACTUAL), PCT			.50			HOT TRANS	2.51	56.13	642.8	4.50	12.01
						1975 FTP	2.60	47.35	663.5	3.37	11.90
COMMENTS: LIMITER CAP MIS,EGR VALVE HOSE PLUGGED,FUEL LEAK AT FUEL PUMP HOSE. EGR VALVE STEM MOVE BUT NO RPM DROP.											
5236	75	HOND	CVCC	91	1	COLD TRANS	3.08	29.58	337.9	2.96	22.52
IHC, PPM HEXANE			80			COLD STAB	.68	7.06	375.1	2.51	22.85
ICO(ACTUAL), PCT			.20			HOT TRANS	.82	5.77	305.4	3.67	27.99
						1975 FTP	1.21	11.34	348.4	2.92	23.98
COMMENTS: LIMITER CAP OK, IRPM +550 RPM, TIMING +14, DWELL +5. NO VAC ADV WHEN COLD. DEF SOLENIOD. CRANKCASE VENT HOSE SPLIT OPEN.											
5237	75	CHEV	MONT	350	1	COLD TRANS	4.45	65.96	652.1	5.18	11.53
IHC, PPM HEXANE			150			COLD STAB	3.56	61.10	561.1	3.08	13.28
ICO(ACTUAL), PCT			1.00			HOT TRANS	3.35	57.38	541.9	4.88	13.81
						1975 FTP	3.69	61.09	574.6	4.00	13.01
COMMENTS: LIMITER CAP MIS,CHOKE NOTCH +2,EFE SENSOR DEF,EGR SENSOR TOP BROKEN EGR HOSE PLUGGED. DEF EGR VALVE.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5238	75	MBNZ	450S	276	1	COLD TRANS	2.32	17.97	786.7	2.98	10.79
IHC, PPM HEXANE			30			COLD STAB	.61	1.28	756.1	1.35	11.68
ICO(ACTUAL), PCT			.02			HOT TRANS	1.43	5.04	659.7	3.08	13.21
						1975 FTP	1.19	5.74	736.1	2.16	11.85
COMMENTS: MIXTURE ADJ. PLUG OK.											
6239	76	OLDS	STAW	350	1	COLD TRANS	4.05	47.72	738.5	3.67	10.74
IHC, PPM HEXANE			60			COLD STAB	.37	5.70	715.0	2.93	12.24
ICO(ACTUAL), PCT			.01			HOT TRANS	.59	11.39	644.9	3.52	13.35
						1975 FTP	1.19	15.90	700.7	3.25	12.17
COMMENTS: LIMITER CAP MIS, TAC FRESH AIR DUCT TORN, DIST SPARK DELAY VAL DEF.											
5240	75	TOYO	CORO	97	1	COLD TRANS	2.18	18.22	404.7	3.34	20.16
IHC, PPM HEXANE			1300			COLD STAB	.44	5.98	455.2	1.08	19.05
ICO(ACTUAL), PCT			.20			HOT TRANS	.35	4.54	364.2	2.58	23.83
						1975 FTP	.77	8.11	420.0	1.95	20.40
COMMENTS: LIMITER CAP MIS, NO 3 SPARK PLUG WIRE OFF, IRPM -150 RPM. VACUUM SWITCHING VALVE NOT FUNCTIONING.											
5241	75	TOYO	CELI	134	1	COLD TRANS	1.13	28.11	457.5	1.02	17.57
IHC, PPM HEXANE			40			COLD STAB	.66	18.06	486.2	.78	17.18
ICO(ACTUAL), PCT			.90			HOT TRANS	.55	16.77	394.2	1.58	21.02
						1975 FTP	.73	19.77	455.2	1.05	18.17
COMMENTS: LIMITER CAP MIS, IRPM -200 RPM, TIMING -16 DWELL +16. NO RPM DROP ON EGR VALVE. EX FLANGE GASKET LEAK.											
5242	75	FORD	PINT	140	1	COLD TRANS	4.20	73.12	517.6	2.19	13.74
IHC, PPM HEXANE			20			COLD STAB	2.59	56.34	482.0	1.29	15.34
ICO(ACTUAL), PCT			1.30			HOT TRANS	2.45	45.91	432.9	2.04	17.31
						1975 FTP	2.88	56.95	476.0	1.68	15.45
COMMENTS: LIMITER CAP MIS, AIR CLEANER FLEX AIR DUCT TORN APART. FUEL HOSE LEAK AT FUEL PUMP. HI TENSION COIL WIRE CORRODED AT CAP. VAC LINE AT EGR VALVE DISCONNECTED AND PLUGGED.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5243	75	PLYM	GRNF	360	1	COLD TRANS	5.95	53.12	649.9	6.33	11.80
IHC, PPM HEXANE				225		COLD STAB	3.00	81.79	711.0	2.91	10.45
ICO(ACTUAL), PCT				4.10		HOT TRANS	1.80	38.86	611.7	7.00	13.08
						1975 FTP	3.28	64.18	671.3	4.73	11.34
COMMENTS: LIMITER CAP MIS,TIMNG OFF +16,TAC SENSOR DEF,HOT AIR DUCT TOO SHORT INTERNAL IDLE ENRICHMENT VALVE NIPPLE BROKEN.OSAC VALVE BYPASSED. EGR VAC LINE PLUGGED AT EGR VALVE.											
5244	75	VOLK	DASH	90	1	COLD TRANS	1.28	30.11	402.9	3.44	19.54
IHC, PPM HEXANE				50		COLD STAB	.33	6.29	384.6	2.16	22.44
ICO(ACTUAL), PCT				.10		HOT TRANS	.99	11.45	368.9	3.57	22.76
						1975 FTP	.71	12.60	384.1	2.81	21.85
COMMENTS: MIXTURE ADJ. PLUG OK, TIMING +18, DWELL OFF 6, SPARK PLUG WIRES DEF TAC HOT AIR DUCT BROKEN. IGN HOSES DRY AND BRITTLE. EGR FILTER AND EXHAUST SAMPLE PORT PLUGGED. EGR VALVE DEF. NO RPM DROP ON BOTH STAGE 1 AND STAGE 2, HOSE NOT ON											
7245	77	CHEV	MONT	350	1	COLD TRANS	1.33	19.53	700.6	3.22	12.07
IHC, PPM HEXANE				100		COLD STAB	.24	.51	656.9	2.27	13.48
ICO(ACTUAL), PCT				.01		HOT TRANS	1.01	4.85	580.9	2.79	15.00
						1975 FTP	.67	5.61	645.1	2.61	13.53
COMMENTS: LIMITER CAP OK, EGR VALVE DEF.											
5246	75	FORD	RANC	351	1	COLD TRANS	3.69	37.55	804.5	5.51	10.14
IHC, PPM HEXANE				10		COLD STAB	.70	8.13	816.8	2.59	10.67
ICO(ACTUAL), PCT				.01		HOT TRANS	.98	9.14	696.2	6.08	12.44
						1975 FTP	1.39	14.46	781.4	4.14	10.98
COMMENTS: LIMITER CAP MIS, IRPM -150 RPM, TAC VACUUM LINE OFF AND PLUGGED. NO CONTINUITY ON CHOKE COIL AND NO VOLTAGE AT WIRE. EGR VACUUM LINE PLUGGED AT VALVE.											
6247	76	MERC	COUG	351	1	COLD TRANS	1.76	42.12	807.5	1.47	10.09
IHC, PPM HEXANE				150		COLD STAB	1.10	6.75	803.2	1.31	10.86
ICO(ACTUAL), PCT				.01		HOT TRANS	1.24	21.28	698.5	1.74	12.06
						1975 FTP	1.27	18.00	775.5	1.46	10.99
COMMENTS: LIMITER CAP MIS, CHOKE 2 NOTCH LEAN, CHOKE PULL BACK DIAPHRAM DEF.											

APPENDIX C

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER MILE
FUEL ECONOMY IN MILES PER GALLON
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL ECON
5248	75	FIAT	131S	107	1	COLD TRANS	2.92	35.24	553.3	.94	14.36
IHC, PPM HEXANE			500			COLD STAB	1.69	31.92	607.5	.51	13.39
ICO(ACTUAL), PCT			4.00			HOT TRANS	1.41	30.64	500.0	.77	16.06
						1975 FTP	1.87	32.25	567.0	.67	14.23
COMMENTS: LIMITER CAP MIS, HEATER AIR DOOR MIS, RESISTANCE IN IGN CIRCUIT. THROTTLE POSITIONER NOT CONNECTED. EGR VALVE DEF.											
7249	77	CHEV	CAMA	305	1	COLD TRANS	1.81	29.78	648.3	3.01	12.66
IHC, PPM HEXANE			25			COLD STAB	.35	1.82	637.6	2.09	13.83
ICO(ACTUAL), PCT			.01			HOT TRANS	1.03	12.14	549.4	2.55	15.52
						1975 FTP	.84	10.39	615.7	2.40	13.98
COMMENTS: LIMITER CAP MIS, DEF EGR VAL DIAPHRAM, AIR BELT LOOSE.											
5250	75	MERC	MONA	250	1	COLD TRANS	2.17	32.70	654.1	2.99	12.46
IHC, PPM HEXANE			50			COLD STAB	.37	2.61	625.3	2.27	14.07
ICO(ACTUAL), PCT			.01			HOT TRANS	.73	15.46	571.5	2.65	14.84
						1975 FTP	.84	12.31	616.6	2.52	13.90
COMMENTS: LIMITER CAP MIS, IRPM -140 RPM, TAC HEAT DUCT NOT CONNECTED. TIMING -8, CARB MAIN BODY LOOSE FROM BASE, EXHAUST MANIFOLD LEAK.											

APPENDIX D

LISTING OF TWO-SPEED IDLE EMISSIONS RESULTS ON INDIVIDUAL VEHICLES

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APPENDIX D

LISTING OF TWO SPEED IDLE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEH	YR	MAKE	MODEL	CID	SN	MODE	HC,PPMHEX	CO,PCT	NO,PPM
5001	75	DATS	280Z	168	1	2500 RPM	7.	.06	103.
						IDLE (N)	40.	.05	52.
5002	75	AMC	GREM	232	1	2500 RPM	4.	.03	214.
						IDLE (N)	13.	0.00	40.
8003	78	PONT	SUNB	151	1	2500 RPM	2.	.01	77.
						IDLE (N)	30.	.43	2.
9004	79	MERC	CAPR	140	1	2500 RPM	1.	0.00	9.
						IDLE (N)	0.	0.00	1.
8005	78	PONT	STAW	151	1	2500 RPM	4.	.02	13.
						IDLE (N)	4.	0.00	1.
8006	78	PONT	SUNB	151	1	2500 RPM	139.	3.26	84.
						IDLE (N)	487.	7.65	10.
9007	79	CHEV	CAMA	350	1	2500 RPM	10.	0.00	74.
						IDLE (N)	52.	0.00	32.
9008	79	CHEV	STAW	350	1	2500 RPM	4.	0.00	62.
						IDLE (N)	0.	0.00	51.
9009	79	CHEV	CAPR	350	1	2500 RPM	7.	0.00	81.
						IDLE (N)	5.	0.00	37.
8010	78	FORD	PINT	140	1	2500 RPM	4.	0.00	28.
						IDLE (N)	31.	0.00	22.
9011	79	VOLV	264G	163	1	2500 RPM	4.	0.00	54.
						IDLE (N)	4.	0.00	64.
9012	79	OLDS	DELT	350	1	2500 RPM	2.	0.00	99.
						IDLE (N)	3.	0.00	32.
7013	77	CHRY	CORD	360	1	2500 RPM	8.	.01	216.
						IDLE (N)	17.	.10	39.
6014	76	BUIC	SKYL	231	1	2500 RPM	30.	.16	700.
						IDLE (N)	1300.	6.50	50.
8015	78	FORD	FIES	98	1	2500 RPM	41.	0.00	62.
						IDLE (N)	176.	0.00	28.
5016	75	HOND	STAW	91	1	2500 RPM	34.	.24	122.
						IDLE (N)	169.	.28	84.
8017	78	PONT	SUNB	151	1	2500 RPM	9.	.03	26.
						IDLE (N)	120.	.78	3.
8018	78	PONT	SUNB	151	1	2500 RPM	154.	3.69	14.
						IDLE (N)	22.	.01	34.
6019	76	OLDS	CUTL	260	1	2500 RPM	111.	.32	609.
						IDLE (N)	1005.	2.57	50.
8020	78	PONT	SUNB	151	1	2500 RPM	135.	2.55	74.
						IDLE (N)	258.	3.68	8.
5021	75	VOLK	RABB	90	1	2500 RPM	56.	.39	77.
						IDLE (N)	330.	2.97	39.

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APPENDIX D

LISTING OF TWO SPEED IDLE EMISSIONS ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEH	YR	MAKE	MODEL	CID	SN	MODE	HC,PPMHEX	CO,PCT	NO,PPM
8022	78	PONT	SUNB	151	1	2500 RPM	8.	.05	24.
						IDLE (N)	19.	.06	0.
8023	78	SAAB	99GL	121	1	2500 RPM	4.	.01	78.
						IDLE (N)	4.	.01	44.
8024	78	FORD	STAW	140	1	2500 RPM	2.	0.00	13.
						IDLE (N)	10.	0.00	11.
9025	79	FORD	PINT	140	1	2500 RPM	1.	0.00	70.
						IDLE (N)	20.	0.00	18.
8026	78	PONT	SUNB	151	1	2500 RPM	2.	.01	25.
						IDLE (N)	0.	0.00	1.
9027	79	CHEV	CAMA	305	1	2500 RPM	4.	0.00	74.
						IDLE (N)	6.	0.00	32.
9028	79	CHEV	CAMA	305	1	2500 RPM	2.	0.00	38.
						IDLE (N)	6.	0.00	20.
8029	78	PONT	SUNB	151	1	2500 RPM	5.	.05	33.
						IDLE (N)	73.	.02	1.
8030	78	VOLV	264G	163	1	2500 RPM	10.	.02	1.
						IDLE (N)	121.	.10	0.
8031	78	PONT	SUNB	151	1	2500 RPM	199.	4.43	118.
						IDLE (N)	464.	8.49	28.
8032	78	PONT	SUNB	151	1	2500 RPM	4.	.01	62.
						IDLE (N)	2.	0.00	4.
8033	78	PONT	SUNB	151	1	2500 RPM	114.	2.28	8.
						IDLE (N)	204.	3.46	5.
5034	75	FORD	GRAN	351	1	2500 RPM	19.	.27	123.
						IDLE (N)	34.	.03	51.
8035	78	PONT	SUNB	151	1	2500 RPM	135.	3.04	19.
						IDLE (N)	168.	3.51	8.
8036	78	PONT	SUNB	151	1	2500 RPM	7.	.03	132.
						IDLE (N)	3.	0.00	5.
6037	76	PONT	GRNP	350	1	2500 RPM	6.	.01	171.
						IDLE (N)	33.	.01	48.
9038	79	FORD	THUN	351	1	2500 RPM	1.	0.00	135.
						IDLE (N)	4.	0.00	64.
8039	78	PONT	SUNB	151	1	2500 RPM	26.	.02	187.
						IDLE (N)	72.	1.17	4.
6040	76	FORD	STAW	140	1	2500 RPM	34.	.18	181.
						IDLE (N)	45.	.31	33.
8041	78	PONT	SUNB	151	1	2500 RPM	29.	.35	6.
						IDLE (N)	12.	.43	7.
8042	78	FORD	PINT	140	1	2500 RPM	6.	0.00	51.
						IDLE (N)	48.	.02	18.

APPENDIX D

LISTING OF TWO SPEED IDLE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEH	YR	MAKE	MODEL	CID	SN	MODE	HC,PPMHEX	CO,PCT	NO,PPM
9043	79	FORD	GRAN	302	1	2500 RPM	13.	0.00	55.
						IDLE (N)	9.	0.00	186.
8044	78	PONT	SUNB	151	1	2500 RPM	25.	.06	161.
						IDLE (N)	465.	8.13	19.
6045	76	FORD	GRAN	302	1	2500 RPM	34.	.69	469.
						IDLE (N)	143.	2.41	75.
8046	78	FORD	STAW	140	1	2500 RPM	5.	0.00	121.
						IDLE (N)	14.	0.00	24.
8047	78	VOLV	242G	130	1	2500 RPM	0.	.01	4.
						IDLE (N)	0.	.01	2.
6048	76	BUIC	REGA	350	1	2500 RPM	36.	.59	384.
						IDLE (N)	132.	2.82	58.
8049	78	PONT	SUNB	151	1	2500 RPM	6.	.01	197.
						IDLE (N)	4.	0.00	51.
8050	78	PONT	SUNB	151	1	2500 RPM	2.	.03	13.
						IDLE (N)	3.	0.00	61.
9051	79	FORD	STAW	140	1	2500 RPM	9.	0.00	40.
						IDLE (N)	28.	0.00	20.
9052	79	FORD	PINT	140	1	2500 RPM	6.	0.00	79.
						IDLE (N)	43.	0.00	15.
9053	79	FORD	STAW	140	1	2500 RPM	3.	0.00	9.
						IDLE (N)	2.	0.00	14.
9054	79	FORD	PINT	140	1	2500 RPM	4.	0.00	41.
						IDLE (N)	37.	0.00	7.
9055	79	FORD	PINT	140	1	2500 RPM	2.	0.00	48.
						IDLE (N)	26.	.12	11.
9056	79	FORD	STAW	140	1	2500 RPM	2.	0.00	18.
						IDLE (N)	18.	.01	15.
9057	79	FORD	STAW	140	1	2500 RPM	1.	0.00	9.
						IDLE (N)	0.	0.00	3.
9058	79	FORD	PINT	140	1	2500 RPM	5.	0.00	34.
						IDLE (N)	18.	.01	19.
9059	79	FORD	STAW	140	1	2500 RPM	6.	0.00	26.
						IDLE (N)	24.	.02	24.
8060	78	PONT	SUNB	151	1	2500 RPM	13.	.02	60.
						IDLE (N)	142.	1.22	4.
8061	78	PONT	SUNB	151	1	2500 RPM	1.	.01	317.
						IDLE (N)	1.	0.00	92.
9062	79	DODG	MAGN	360	1	2500 RPM	7.	0.00	103.
						IDLE (N)	8.	.01	23.
					2	2500 RPM	0.	0.00	42.
						IDLE (N)	0.	.08	26.

APPENDIX D

LISTING OF TWO SPEED IDLE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEH	YR	MAKE	MODEL	CID	SN	MODE	HC,PPMHEX	CO,PCT	NO,PPM
7063	77	PONT	GRNP	350	1	2500 RPM	34.	.02	253.
						IDLE (N)	75.	0.00	39.
8064	78	FORD	PINT	140	1	2500 RPM	3.	0.00	37.
						IDLE (N)	23.	0.00	22.
5065	75	FORD	STAW	140	1	2500 RPM	312.	.12	83.
						IDLE (N)	1221.	.06	43.
7066	77	MERC	MONA	302	1	2500 RPM	148.	1.12	135.
						IDLE (N)	588.	3.51	44.
5067	75	FORD	PINT	140	1	2500 RPM	32.	1.28	117.
						IDLE (N)	39.	.70	45.
8068	78	FORD	PINT	140	1	2500 RPM	3.	0.00	41.
						IDLE (N)	2.	0.00	40.
8069	78	PONT	STAW	151	1	2500 RPM	6.	.02	143.
						IDLE (N)	2.	0.00	5.
7070	77	OLDS	STAW	403	1	2500 RPM	3.	.01	221.
						IDLE (N)	3.	0.00	56.
9071	79	CADI	SEVI	350	1	2500 RPM	7.	.01	103.
						IDLE (N)	7.	0.00	32.
9072	79	FORD	PINT	140	1	2500 RPM	2.	0.00	69.
						IDLE (N)	8.	.07	17.
9073	79	CHEV	NOVA	250	1	2500 RPM	16.	0.00	47.
						IDLE (N)	3.	0.00	26.
8074	78	PONT	SUNB	151	1	2500 RPM	11.	.56	32.
						IDLE (N)	5.	0.00	35.
8075	78	FORD	PINT	140	1	2500 RPM	3.	0.00	64.
						IDLE (N)	17.	0.00	15.
8076	78	PONT	STAW	151	1	2500 RPM	6.	.11	4.
						IDLE (N)	22.	.15	2.
8077	78	FORD	STAW	140	1	2500 RPM	3.	0.00	34.
						IDLE (N)	12.	0.00	29.
8078	78	FORD	PINT	140	1	2500 RPM	9.	0.00	23.
						IDLE (N)	1.	0.00	30.
8079	78	PONT	SUNB	151	1	2500 RPM	6.	.10	22.
						IDLE (N)	22.	.49	5.
8080	78	FORD	PINT	140	1	2500 RPM	3.	.03	115.
						IDLE (N)	5.	.01	54.
8081	78	PONT	SUNB	151	1	2500 RPM	7.	.05	39.
						IDLE (N)	4.	.01	5.
8082	78	FORD	PINT	140	1	2500 RPM	6.	.01	417.
						IDLE (N)	37.	.01	22.
8083	78	FORD	PINT	140	1	2500 RPM	6.	0.00	44.
						IDLE (N)	17.	0.00	23.

.APPENDIX D

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VEH	YR	MAKE	MODEL	CID	SN	MODE	HC,PPMHEX	CO,PCT	NO,PPM
8084	78	PONT	SUNB	151	1	2500 RPM	7.	0.00	120.
						IDLE (N)	15.	.22	5.
8085	78	FORD	STAW	140	1	2500 RPM	5.	0.00	146.
						IDLE (N)	2.	0.00	7.
8086	78	PONT	SUNB	151	1	2500 RPM	20.	.04	35.
						IDLE (N)	12.	0.00	17.
9087	79	VOLK	RABB	89	1	2500 RPM	157.	3.30	57.
						IDLE (N)	352.	6.61	14.
6088	76	FORD	TORI	351	1	2500 RPM	21.	.05	101.
						IDLE (N)	25.	.02	58.
8089	78	FORD	PINT	140	1	2500 RPM	6.	.01	93.
						IDLE (N)	3.	.01	30.
8090	78	PONT	SUNB	151	1	2500 RPM	146.	4.15	112.
						IDLE (N)	137.	3.88	49.
8091	78	PONT	SUNB	151	1	2500 RPM	11.	.01	41.
						IDLE (N)	4.	0.00	4.
6092	76	CHEV	CHET	98	1	2500 RPM	159.	.29	49.
						IDLE (N)	135.	.16	86.
8093	78	VOLV	264G	163	1	2500 RPM	0.	.02	3.
						IDLE (N)	1.	.01	11.
9094	79	PLYM	HORI	105	1	2500 RPM	1.	0.00	27.
						IDLE (N)	0.	0.00	18.
8095	78	PONT	SUNB	151	1	2500 RPM	44.	.27	0.
						IDLE (N)	275.	1.63	15.
8096	78	SAAB	99EM	121	1	2500 RPM	2.	.05	5.
						IDLE (N)	6.	.16	2.
5097	75	TOYO	STAW	97	1	2500 RPM	14.	.28	66.
						IDLE (N)	42.	.73	33.
8098	78	FORD	PINT	140	1	2500 RPM	7.	0.00	111.
						IDLE (N)	21.	0.00	28.
8099	78	FORD	PINT	140	1	2500 RPM	10.	.01	52.
						IDLE (N)	10.	.01	22.
8100	78	FORD	STAW	140	1	2500 RPM	8.	.01	28.
						IDLE (N)	20.	.01	30.
6101	76	FORD	ELIT	400	1	2500 RPM	13.	.03	140.
						IDLE (N)	23.	0.00	53.
8102	78	FORD	STAW	140	1	2500 RPM	3.	0.00	20.
						IDLE (N)	13.	.08	32.
8103	78	VOLV	264G	163	1	2500 RPM	2.	.05	5.
						IDLE (N)	1.	.02	2.
8104	78	VOLV	264G	163	1	2500 RPM	21.	.05	9.
						IDLE (N)	12.	.03	17.

APPENDIX D

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LOS ANGELES

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VEH	YR	MAKE	MODEL	CID	SN	MODE	HC,PPMHEX	CO,PCT	NO,PPM
9105	79	FORD	PINT	140	1	2500 RPM	8.	.02	24.
						IDLE (N)	35.	.02	26.
8106	78	VOLV	264G	163	1	2500 RPM	51.	1.32	15.
						IDLE (N)	172.	4.47	32.
8107	78	PONT	SUNB	151	1	2500 RPM	0.	.03	56.
						IDLE (N)	0.	.01	8.
8108	78	FORD	PINT	140	1	2500 RPM	6.	0.00	72.
						IDLE (N)	36.	0.00	23.
8109	78	VOLV	264	163	1	2500 RPM	1.	.01	35.
						IDLE (N)	2.	0.00	11.
9110	79	VOLV	STAW	130	1	2500 RPM	2.	0.00	46.
						IDLE (N)	1.	0.00	6.
9111	79	VOLV	264G	163	1	2500 RPM	3.	.01	76.
						IDLE (N)	2.	.02	2.
9112	79	VOLV	STAW	130	1	2500 RPM	14.	.03	0.
						IDLE (N)	14.	0.00	2.
9113	79	VOLV	242	131	1	2500 RPM	1.	.01	0.
						IDLE (N)	1.	0.00	0.
9114	79	VOLV	244	130	1	2500 RPM	2.	0.00	3.
						IDLE (N)	4.	.01	1.
9115	79	VOLV	242	130	1	2500 RPM	3.	.01	19.
						IDLE (N)	5.	0.00	5.
9116	79	VOLV	STAW	130	1	2500 RPM	3.	.01	25.
						IDLE (N)	0.	0.00	0.
9117	79	VOLV	244	130	1	2500 RPM	4.	.01	19.
						IDLE (N)	4.	0.00	10.
9118	79	VOLV	244	130	1	2500 RPM	26.	.23	0.
						IDLE (N)	40.	.13	0.
9119	79	VOLV	264G	163	1	2500 RPM	4.	.01	0.
						IDLE (N)	29.	.03	0.
9120	79	VOLV	264	163	1	2500 RPM	0.	0.00	37.
						IDLE (N)	1.	0.00	22.
9121	79	FORD	PINT	140	1	2500 RPM	3.	0.00	44.
						IDLE (N)	28.	.04	20.
9122	79	FORD	MUST	140	1	2500 RPM	97.	0.00	28.
						IDLE (N)	87.	0.00	21.
9123	79	FORD	PINT	140	1	2500 RPM	5.	0.00	16.
						IDLE (N)	2.	0.00	15.
8124	78	PONT	SUNB	151	1	2500 RPM	1.	.01	31.
						IDLE (N)	9.	.08	1.
9125	79	FORD	PINT	140	1	2500 RPM	5.	0.00	48.
						IDLE (N)	16.	.01	17.

APPENDIX D

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VEH	YR	MAKE	MODEL	CID	SN	MODE	HC,PPMHEX	CO,PCT	NO,PPM
9126	79	FORD	STAW	140	1	2500 RPM	6.	0.00	46.
						IDLE (N)	18.	.01	21.
					3	2500 RPM	9.	0.00	35.
						IDLE (N)	10.	0.00	21.
8127	78	FORD	PINT	140	1	2500 RPM	12.	0.00	17.
						IDLE (N)	37.	.18	22.
9128	79	VOLV	STAW	130	1	2500 RPM	1.	0.00	67.
						IDLE (N)	1.	0.00	15.
6129	76	BUIC	REGA	350	1	2500 RPM	11.	.01	179.
						IDLE (N)	48.	0.00	60.
6130	76	BUIC	SKYL	350	1	2500 RPM	8.	.04	533.
						IDLE (N)	72.	.01	73.
9131	79	PONT	SUNB	231	1	2500 RPM	5.	0.00	64.
						IDLE (N)	5.	0.00	33.
9132	79	PONT	SUNB	305	1	2500 RPM	4.	0.00	56.
						IDLE (N)	6.	0.00	18.
9133	79	PONT	SUNB	231	1	2500 RPM	4.	0.00	88.
						IDLE (N)	4.	0.00	42.
9134	79	PONT	SUNB	231	1	2500 RPM	4.	0.00	60.
						IDLE (N)	4.	0.00	43.
9135	79	PONT	SUNB	231	1	2500 RPM	5.	0.00	63.
						IDLE (N)	6.	0.00	29.
9136	79	PONT	SUNB	151	1	2500 RPM	5.	.01	30.
						IDLE (N)	4.	.02	0.
9137	79	PONT	SUNB	231	1	2500 RPM	8.	0.00	63.
						IDLE (N)	4.	0.00	60.
8138	78	PONT	SUNB	151	1	2500 RPM	5.	0.00	93.
						IDLE (N)	45.	.20	0.
8139	78	PONT	SUNB	151	1	2500 RPM	1.	.01	166.
						IDLE (N)	1.	.01	50.
8140	78	VOLV	262C	163	1	2500 RPM	0.	.01	41.
						IDLE (N)	0.	.01	2.
9141	79	MERC	MARQ	351	1	2500 RPM	5.	0.00	113.
						IDLE (N)	2.	0.00	10.
8142	78	SAAB	99GL	121	1	2500 RPM	62.	.17	1.
						IDLE (N)	40.	.28	1.
8143	78	FORD	PINT	140	1	2500 RPM	7.	0.00	26.
						IDLE (N)	20.	0.00	24.
8144	78	FORD	STAW	140	1	2500 RPM	3.	0.00	54.
						IDLE (N)	19.	.02	31.
9145	79	CADI	SEVI	350	1	2500 RPM	5.	.03	176.
						IDLE (N)	6.	.01	45.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	HC,PPMHEX	CO,PCT	NO,PPM
5146	75	PONT	ASTR	140	1	2500 RPM	27.	.09	245.
						IDLE (N)	35.	.05	55.
8147	78	FORD	PINT	140	1	2500 RPM	0.	0.00	68.
						IDLE (N)	38.	.01	23.
8148	78	VOLV	264G	163	1	2500 RPM	5.	.02	9.
						IDLE (N)	3.	.01	4.
8149	78	VOLV	264G	163	1	2500 RPM	5.	.02	47.
						IDLE (N)	6.	.02	9.
5150	75	OLDS	98	455	1	2500 RPM	29.	.03	147.
						IDLE (N)	159.	.03	26.
6151	76	CHEV	STAW	350	1	2500 RPM	6.	0.00	100.
						IDLE (N)	15.	0.00	38.
					2	2500 RPM	11.	.01	108.
						IDLE (N)	13.	0.00	51.
					3	2500 RPM	15.	.01	131.
						IDLE (N)	20.	0.00	69.
6152	76	FORD	MUST	171	1	2500 RPM	17.	.11	170.
						IDLE (N)	104.	.02	86.
					4	2500 RPM	22.	.10	169.
						IDLE (N)	142.	.02	63.
6153	76	PLYM	VOLA	318	1	2500 RPM	10.	.02	492.
						IDLE (N)	21.	0.00	95.
					2	2500 RPM	5.	.02	423.
						IDLE (N)	16.	.01	67.
					3	2500 RPM	10.	.05	500.
						IDLE (N)	43.	.02	71.
					4	2500 RPM	0.	.04	430.
						IDLE (N)	6.	.01	59.
6154	76	HOND	STAW	91	1	2500 RPM	60.	.37	104.
						IDLE (N)	1272.	.19	74.
					2	2500 RPM	36.	.25	165.
						IDLE (N)	714.	1.34	53.
					3	2500 RPM	4.	.12	38.
						IDLE (N)	219.	.18	17.
6155	76	FORD	PINT	140	1	2500 RPM	146.	.09	75.
						IDLE (N)	218.	4.10	62.
					3	2500 RPM	143.	.04	32.
						IDLE (N)	43.	0.00	42.
					4	2500 RPM	146.	1.07	66.
						IDLE (N)	144.	.27	47.
7156	77	FORD	GRAN	302	1	2500 RPM	8.	0.00	113.
						IDLE (N)	8.	0.00	61.

APPENDIX D

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SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEH	YR	MAKE	MODEL	CID	SN	MODE	HC,PPMHEX	CO,PCT	NO,PPM
5157	75	FIAT	X19	79	1	2500 RPM	9.	.35	61.
						IDLE (N)	32.	.83	48.
					2	2500 RPM	23.	2.56	108.
						IDLE (N)	187.	5.48	34.
					3	2500 RPM	9.	.29	44.
						IDLE (N)	52.	.13	43.
					4	2500 RPM	0.	0.00	6.
						IDLE (N)	1.	0.00	2.
6158	76	OLDS	CUTL	350	1	2500 RPM	0.	0.00	119.
						IDLE (N)	1.	0.00	67.
					4	2500 RPM	14.	0.00	107.
						IDLE (N)	36.	0.00	43.
6159	76	FORD	ELIT	351	1	2500 RPM	32.	.16	147.
						IDLE (N)	33.	.13	54.
					2	2500 RPM	50.	.11	143.
						IDLE (N)	39.	.12	68.
					3	2500 RPM	8.	.10	160.
						IDLE (N)	54.	.04	54.
					4	2500 RPM	30.	.11	137.
						IDLE (N)	48.	.03	61.
6160	76	PLYM	STAW	360	1	2500 RPM	101.	.04	506.
						IDLE (N)	244.	2.27	31.
					2	2500 RPM	12.	.06	534.
						IDLE (N)	83.	2.33	31.
					4	2500 RPM	11.	.03	621.
						IDLE (N)	36.	0.00	39.
5161	75	FORD	STAW	400	1	2500 RPM	31.	.79	92.
						IDLE (N)	149.	4.22	58.
					2	2500 RPM	8.	.45	5.
						IDLE (N)	25.	1.00	3.
					3	2500 RPM	15.	.18	73.
						IDLE (N)	49.	.12	56.
					4	2500 RPM	8.	.20	72.
						IDLE (N)	29.	.11	62.
6162	76	PLYM	VOLA	225	1	2500 RPM	10.	0.00	800.
						IDLE (N)	7.	0.00	48.
					2	2500 RPM	15.	0.00	301.
						IDLE (N)	7.	0.00	58.
					3	2500 RPM	81.	0.00	284.
						IDLE (N)	10.	0.00	94.
					4	2500 RPM	113.	.01	324.
						IDLE (N)	0.	.02	102.

APPENDIX D

LISTING OF TWO SPEED IDLE EMISSIONS ON INDIVIDUAL VEHICLES

LOS ANGELES

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VEH	YR	MAKE	MODEL	CID	SN	MODE	HC,PPMHEX	CO,PCT	NO,PPM
6163	76	MERC	STAW	460	1	2500 RPM	0.	.02	96.
						IDLE (N)	1.	.26	35.
					2	2500 RPM	5.	.02	79.
						IDLE (N)	10.	0.00	45.
					3	2500 RPM	0.	.03	100.
						IDLE (N)	32.	.01	52.
6164	76	AMC	GREM	232	1	2500 RPM	2.	0.00	300.
						IDLE (N)	121.	3.29	60.
					2	2500 RPM	12.	.01	307.
						IDLE (N)	125.	3.32	61.
					3	2500 RPM	0.	.01	310.
						IDLE (N)	53.	.93	74.
					4	2500 RPM	0.	.02	112.
						IDLE (N)	4.	0.00	55.
6165	76	PLYM	ARRO	98	1	2500 RPM	103.	2.14	289.
						IDLE (N)	251.	4.67	68.
					2	2500 RPM	59.	1.26	251.
						IDLE (N)	179.	4.37	80.
					3	2500 RPM	58.	1.47	225.
						IDLE (N)	128.	1.96	70.
					4	2500 RPM	26.	.94	175.
						IDLE (N)	74.	.25	45.
5166	75	BUIC	SKYH	231	1	2500 RPM	109.	2.95	118.
						IDLE (N)	471.	7.18	17.
					2	2500 RPM	117.	3.27	121.
						IDLE (N)	494.	7.42	28.
					3	2500 RPM	33.	.96	147.
						IDLE (N)	97.	1.91	64.
					4	2500 RPM	61.	.95	160.
						IDLE (N)	116.	2.45	69.
7167	77	HOND	ACCO	97	1	2500 RPM	6.	.03	148.
						IDLE (N)	63.	.29	96.
					4	2500 RPM	0.	.05	142.
						IDLE (N)	80.	.31	85.
5168	75	FORD	MUST	171	1	2500 RPM	11.	.33	173.
						IDLE (N)	8.	.14	67.
					3	2500 RPM	10.	.36	176.
						IDLE (N)	6.	.19	90.
					4	2500 RPM	2.	.24	178.
						IDLE (N)	0.	.08	57.

APPENDIX D

LISTING OF TWO SPEED IDLE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEH	YR	MAKE	MODEL	CID	SN	MODE	HC,PPMHEX	CO,PCT	NO,PPM
6169	76	PONT	VENT	350	1	2500 RPM	41.	0.00	87.
						IDLE (N)	4.	0.00	109.
					2	2500 RPM	14.	0.00	141.
						IDLE (N)	4.	0.00	65.
					4	2500 RPM	2.	0.00	172.
						IDLE (N)	4.	0.00	49.
6170	76	PLYM	STAW	318	1	2500 RPM	5.	.01	305.
						IDLE (N)	5.	0.00	56.
					3	2500 RPM	28.	.01	262.
						IDLE (N)	26.	0.00	57.
					4	2500 RPM	15.	.02	271.
						IDLE (N)	4.	.01	66.
6171	76	CHEV	MONT	350	1	2500 RPM	0.	0.00	220.
						IDLE (N)	35.	0.00	46.
					2	2500 RPM	0.	0.00	88.
						IDLE (N)	22.	0.00	38.
					3	2500 RPM	0.	0.00	107.
						IDLE (N)	27.	0.00	30.
					4	2500 RPM	5.	0.00	90.
						IDLE (N)	101.	0.00	27.
6172	76	PLYM	FURY	318	1	2500 RPM	1.	0.00	1.
						IDLE (N)	1.	0.00	1.
					3	2500 RPM	12.	.02	397.
						IDLE (N)	15.	0.00	62.
					4	2500 RPM	10.	.02	250.
						IDLE (N)	11.	0.00	58.
6173	76	MERC	COME	250	1	2500 RPM	11.	.03	132.
						IDLE (N)	9.	.02	45.
					2	2500 RPM	12.	0.00	46.
						IDLE (N)	12.	0.00	46.
					3	2500 RPM	5.	0.00	127.
						IDLE (N)	9.	0.00	42.
6174	76	FORD	GRAN	250	1	2500 RPM	2.	0.00	288.
						IDLE (N)	57.	.04	19.
6175	76	BUIC	REGA	350	1	2500 RPM	11.	0.00	229.
						IDLE (N)	9.	0.00	62.
					4	2500 RPM	9.	0.00	301.
						IDLE (N)	5.	0.00	84.

APPENDIX D

LISTING OF TWO SPEED IDLE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEH	YR	MAKE	MODEL	CID	SN	MODE	HC,PPMHEX	CO,PCT	NO,PPM
5176	75	FORD	PINT	140	1	2500 RPM	49.	1.35	244.
						IDLE (N)	51.	1.25	171.
					2	2500 RPM	19.	1.37	189.
						IDLE (N)	307.	1.87	183.
					3	2500 RPM	47.	1.98	175.
						IDLE (N)	56.	.03	90.
					4	2500 RPM	10.	.07	132.
						IDLE (N)	12.	.03	120.
6177	76	PONT	VENT	250	1	2500 RPM	5.	0.00	209.
						IDLE (N)	30.	0.00	36.
5178	75	BUIC	SKYH	231	1	2500 RPM	13.	.08	97.
						IDLE (N)	6.	0.00	78.
					2	2500 RPM	23.	.07	84.
						IDLE (N)	1.	0.00	69.
					3	2500 RPM	19.	.01	100.
						IDLE (N)	19.	0.00	90.
					4	2500 RPM	29.	.48	62.
						IDLE (N)	7.	0.00	75.
5179	75	VOLK	RABB	89	1	2500 RPM	21.	.08	79.
						IDLE (N)	19.	.03	47.
					2	2500 RPM	11.	.15	89.
						IDLE (N)	35.	.13	45.
					3	2500 RPM	8.	.17	79.
						IDLE (N)	23.	.10	48.
					4	2500 RPM	56.	.18	108.
						IDLE (N)	32.	.03	47.
6180	76	PONT	LEMA	350	1	2500 RPM	2.	0.00	130.
						IDLE (N)	22.	0.00	63.
					4	2500 RPM	5.	.01	140.
						IDLE (N)	19.	0.00	72.
6181	76	AMC	GREM	258	1	2500 RPM	117.	4.66	171.
						IDLE (N)	314.	7.28	33.
5182	75	HOND	STAW	91	1	2500 RPM	0.	.03	126.
						IDLE (N)	84.	1.64	107.
					2	2500 RPM	13.	.17	132.
						IDLE (N)	74.	.79	111.
					3	2500 RPM	14.	.10	128.
						IDLE (N)	106.	.18	85.
					4	2500 RPM	5.	.09	126.
						IDLE (N)	88.	.22	122.

APPENDIX D

LISTING OF TWO SPEED IDLE EMISSIONS ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEH	YR	MAKE	MODEL	CID	SN	MODE	HC,PPMHEX	CO,PCT	NO,PPM
6183	76	PLYM	VOLA	318	1	2500 RPM	8.	.02	452.
						IDLE (N)	10.	.01	68.
					2	2500 RPM	6.	.02	238.
						IDLE (N)	11.	.01	49.
					3	2500 RPM	22.	.01	182.
						IDLE (N)	7.	0.00	55.
					4	2500 RPM	11.	.01	229.
						IDLE (N)	10.	0.00	56.
6184	76	TOYO	CORO	134	1	2500 RPM	0.	.01	100.
						IDLE (N)	0.	0.00	34.
6185	76	MERC	MONA	351	1	2500 RPM	91.	1.19	197.
						IDLE (N)	123.	3.50	72.
					2	2500 RPM	52.	.01	197.
						IDLE (N)	4.	0.00	78.
					3	2500 RPM	119.	0.00	182.
						IDLE (N)	15.	0.00	71.
					4	2500 RPM	34.	0.00	169.
						IDLE (N)	13.	0.00	62.
6186	76	HOND	CVCC	91	1	2500 RPM	19.	.31	173.
						IDLE (N)	118.	.17	47.
					2	2500 RPM	36.	.31	134.
						IDLE (N)	108.	.17	49.
					4	2500 RPM	20.	.30	169.
						IDLE (N)	130.	.16	52.
6187	76	FORD	PINT	140	1	2500 RPM	184.	0.00	157.
						IDLE (N)	343.	0.00	36.
					3	2500 RPM	211.	0.00	178.
						IDLE (N)	259.	0.00	31.
					4	2500 RPM	51.	.03	81.
						IDLE (N)	37.	.01	30.
5188	75	FORD	TORI	351	1	2500 RPM	18.	.04	94.
						IDLE (N)	25.	.01	52.
					2	2500 RPM	14.	.05	79.
						IDLE (N)	38.	.01	47.
					3	2500 RPM	15.	.04	87.
						IDLE (N)	197.	0.00	51.
					4	2500 RPM	12.	.04	85.
						IDLE (N)	130.	0.00	51.
6189	76	CHEV	CHET	97	1	2500 RPM	15.	.01	301.
						IDLE (N)	16.	.04	38.
					2	2500 RPM	13.	0.00	285.
						IDLE (N)	12.	0.00	38.

APPENDIX D

LISTING OF TWO SPEED IDLE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEH	YR	MAKE	MODEL	CID	SN	MODE	HC,PPMHEX	CO,PCT	NO,PPM
7190	77	CHEV	CAMA	250	1	2500 RPM	9.	0.00	365.
						IDLE (N)	8.	0.00	39.
					2	2500 RPM	8.	0.00	398.
						IDLE (N)	6.	0.00	37.
					4	2500 RPM	8.	0.00	223.
						IDLE (N)	13.	0.00	44.
6191	76	HOND	CVCC	91	1	2500 RPM	15.	.24	90.
						IDLE (N)	191.	.14	44.
6192	76	FORD	LTD	400	1	2500 RPM	64.	.08	160.
						IDLE (N)	829.	7.92	36.
7193	77	PONT	VENT	350	1	2500 RPM	3.	0.00	182.
						IDLE (N)	9.	0.00	43.
5194	75	FORD	TORI	351	1	2500 RPM	36.	.04	78.
						IDLE (N)	27.	0.00	51.
					2	2500 RPM	36.	.04	83.
						IDLE (N)	13.	0.00	54.
					3	2500 RPM	29.	.02	99.
						IDLE (N)	22.	0.00	60.
					4	2500 RPM	21.	.03	66.
						IDLE (N)	16.	0.00	41.
6195	76	BMW	2002	121	1	2500 RPM	9.	.23	74.
						IDLE (N)	23.	.46	33.
5196	75	HOND	CVCC	91	1	2500 RPM	32.	.25	128.
						IDLE (N)	357.	.30	69.
					2	2500 RPM	3.	.12	137.
						IDLE (N)	243.	.19	65.
					4	2500 RPM	8.	.11	92.
						IDLE (N)	81.	.19	77.
5197	75	HOND	CVCC	91	1	2500 RPM	22.	.28	170.
						IDLE (N)	267.	.24	86.
5198	75	HOND	CVCC	76	1	2500 RPM	35.	.69	45.
						IDLE (N)	115.	2.28	34.
					2	2500 RPM	43.	1.12	35.
						IDLE (N)	92.	1.97	27.
					3	2500 RPM	31.	.62	67.
						IDLE (N)	143.	.35	44.
					4	2500 RPM	47.	1.58	29.
						IDLE (N)	142.	.75	33.
6199	76	TOYO	CORO	97	1	2500 RPM	1.	.01	116.
						IDLE (N)	8.	.01	54.
6200	76	VOLK	RABB	97	1	2500 RPM	376.	9.05	46.
						IDLE (N)	446.	9.46	16.

APPENDIX D

LISTING OF TWO SPEED IDLE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEH	YR	MAKE	MODEL	CID	SN	MODE	HC,PPMHEX	CO,PCT	NO,PPM
5201	75	MERC	MONA	302	1	2500 RPM	1.	.08	189.
						IDLE (N)	15.	.08	49.
					2	2500 RPM	33.	.15	62.
						IDLE (N)	21.	.11	50.
					3	2500 RPM	55.	.18	61.
						IDLE (N)	36.	.06	75.
					4	2500 RPM	24.	.04	39.
						IDLE (N)	20.	.01	33.
5202	75	DATS	280Z	168	1	2500 RPM	112.	4.80	77.
						IDLE (N)	354.	5.14	31.
5203	75	TOYO	CELI	134	1	2500 RPM	3.	.09	55.
						IDLE (N)	17.	.05	28.
5204	75	CHEV	MONZ	140	1	2500 RPM	19.	.45	36.
						IDLE (N)	26.	.43	39.
					2	2500 RPM	24.	.46	33.
						IDLE (N)	37.	.52	34.
					3	2500 RPM	14.	.24	20.
						IDLE (N)	30.	.22	23.
					4	2500 RPM	27.	.42	33.
						IDLE (N)	59.	.37	27.
6205	76	FORD	PINT	140	1	2500 RPM	13.	.47	100.
						IDLE (N)	31.	.66	28.
					2	2500 RPM	43.	1.19	72.
						IDLE (N)	47.	1.19	24.
					4	2500 RPM	38.	.46	53.
						IDLE (N)	52.	.22	33.
5206	75	DATS	B210	85	1	2500 RPM	10.	.02	88.
						IDLE (N)	14.	.03	18.
					2	2500 RPM	10.	.03	121.
						IDLE (N)	17.	.03	14.
					4	2500 RPM	6.	.01	59.
						IDLE (N)	33.	.02	2.
6207	76	OLDS	CUTL	350	1	2500 RPM	1.	0.00	98.
						IDLE (N)	111.	3.39	47.
					3	2500 RPM	2.	0.00	114.
						IDLE (N)	4.	0.00	51.
7208	77	CHEV	STAW	350	1	2500 RPM	13.	.02	93.
						IDLE (N)	22.	.01	40.
					3	2500 RPM	10.	.02	129.
						IDLE (N)	11.	0.00	40.
					4	2500 RPM	15.	.02	130.
						IDLE (N)	21.	0.00	42.

APPENDIX D

LISTING OF TWO SPEED IDLE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEH	YR	MAKE	MODEL	CID	SN	MODE	HC,PPMHEX	CO,PCT	NO,PPM
5209	75	DATS	STAW	119	1	2500 RPM	16.	.31	237.
						IDLE (N)	26.	.01	86.
6210	76	MERC	COUG	351	1	2500 RPM	4.	.02	74.
						IDLE (N)	2.	0.00	71.
					2	2500 RPM	20.	.03	74.
						IDLE (N)	56.	.01	74.
					3	2500 RPM	8.	.03	77.
						IDLE (N)	51.	0.00	86.
					4	2500 RPM	13.	.02	80.
						IDLE (N)	94.	0.00	74.
7211	77	OLDS	CUTL	350	1	2500 RPM	2.	0.00	104.
						IDLE (N)	4.	0.00	45.
7212	77	OLDS	CUTL	350	1	2500 RPM	7.	0.00	106.
						IDLE (N)	8.	0.00	39.
					3	2500 RPM	8.	0.00	102.
						IDLE (N)	11.	0.00	43.
					4	2500 RPM	1.	0.00	136.
						IDLE (N)	6.	0.00	48.
7213	77	OLDS	CUTL	350	1	2500 RPM	1.	.01	168.
						IDLE (N)	13.	0.00	43.
5214	75	FORD	LTD	460	1	2500 RPM	38.	.09	106.
						IDLE (N)	88.	.01	38.
					3	2500 RPM	6.	.09	95.
						IDLE (N)	43.	.03	63.
					4	2500 RPM	3.	.10	102.
						IDLE (N)	85.	.03	60.
6215	76	MERC	COUG	351	1	2500 RPM	22.	.06	124.
						IDLE (N)	23.	.11	57.
					2	2500 RPM	28.	.07	126.
						IDLE (N)	32.	.11	53.
					3	2500 RPM	12.	.03	133.
						IDLE (N)	38.	0.00	76.
					4	2500 RPM	14.	.03	116.
						IDLE (N)	29.	0.00	70.
6216	76	FORD	MUST	171	1	2500 RPM	31.	.22	275.
						IDLE (N)	31.	.08	87.
6217	76	CADI	DEVI	500	1	2500 RPM	19.	.01	148.
						IDLE (N)	20.	0.00	79.
5218	75	CHEV	CAPR	400	1	2500 RPM	651.	.22	222.
						IDLE (N)	122.	.11	48.
5219	75	FORD	PINT	140	1	2500 RPM	6.	.21	62.
						IDLE (N)	27.	.42	44.

APPENDIX D

LISTING OF TWO SPEED IDLE EMISSIONS ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
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VEH	YR	MAKE	MODEL	CID	SN	MODE	HC,PPMHEX	CO,PCT	NO,PPM
5220	75	FORD	ELIT	351	1	2500 RPM	50.	.10	238.
						IDLE (N)	361.	.63	52.
5221	75	FORD	PINT	140	1	2500 RPM	6.	.04	78.
						IDLE (N)	15.	.02	33.
6222	76	MERC	STAW	351	1	2500 RPM	33.	.05	136.
						IDLE (N)	503.	8.82	35.
5223	75	CHEV	STAW	350	1	2500 RPM	27.	.43	258.
						IDLE (N)	281.	3.02	30.
7224	77	CHEV	CAMA	305	1	2500 RPM	15.	.01	205.
						IDLE (N)	341.	.22	10.
5225	75	CHEV	MONZ	140	1	2500 RPM	18.	.15	158.
						IDLE (N)	26.	.02	57.
6226	76	HOND	STAW	91	1	2500 RPM	11.	.09	49.
						IDLE (N)	46.	.11	23.
6227	76	LINC	CONT	460	1	2500 RPM	48.	.03	122.
						IDLE (N)	363.	8.62	31.
5228	75	PONT	GRNV	400	1	2500 RPM	9.	0.00	191.
						IDLE (N)	59.	.02	28.
5229	75	FORD	PINT	171	1	2500 RPM	7.	.10	147.
						IDLE (N)	15.	.07	53.
6230	76	BUIC	REGA	350	1	2500 RPM	13.	.01	170.
						IDLE (N)	28.	.02	42.
5231	75	CADI	COUP	500	1	2500 RPM	14.	.01	61.
						IDLE (N)	11.	0.00	48.
5232	75	FORD	PINT	140	1	2500 RPM	16.	.05	131.
						IDLE (N)	16.	0.00	29.
6233	76	HOND	CVCC	91	1	2500 RPM	7.	.01	70.
						IDLE (N)	137.	1.06	37.
5234	75	FORD	GRAN	250	1	2500 RPM	2.	0.00	268.
						IDLE (N)	21.	0.00	60.
5235	75	CHEV	CAMA	350	1	2500 RPM	65.	.16	129.
						IDLE (N)	195.	.01	10.
5236	75	HOND	CVCC	91	1	2500 RPM	7.	.13	87.
						IDLE (N)	33.	.13	46.
5237	75	CHEV	MONT	350	1	2500 RPM	15.	.29	141.
						IDLE (N)	88.	.97	22.
5238	75	MBNZ	450S	276	1	2500 RPM	11.	.03	79.
						IDLE (N)	15.	0.00	27.
6239	76	OLDS	STAW	350	1	2500 RPM	12.	.01	132.
						IDLE (N)	8.	0.00	40.
5240	75	TOYO	CORO	97	1	2500 RPM	3.	.02	88.
						IDLE (N)	18.	0.00	36.

APPENDIX D

LISTING OF TWO SPEED IDLE EMISSIONS
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LOS ANGELES

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SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEH	YR	MAKE	MODEL	CID	SN	MODE	HC,PPMHEX	CO,PCT	NO,PPM
5241	75	TOYO	CELI	134	1	2500 RPM	24.	.51	56.
						IDLE (N)	35.	.83	27.
5242	75	FORD	PINT	140	1	2500 RPM	67.	.73	124.
						IDLE (N)	112.	.69	41.
5243	75	PLYM	GRNF	360	1	2500 RPM	92.	.02	560.
						IDLE (N)	56.	.89	32.
5244	75	VOLK	DASH	90	1	2500 RPM	75.	.03	149.
						IDLE (N)	42.	.01	52.
7245	77	CHEV	MONT	350	1	2500 RPM	7.	0.00	194.
						IDLE (N)	147.	0.00	36.
5246	75	FORD	RANC	351	1	2500 RPM	13.	.05	215.
						IDLE (N)	47.	.04	42.
6247	76	MERC	COUG	351	1	2500 RPM	9.	.07	98.
						IDLE (N)	295.	.01	48.
5248	75	FIAT	131S	107	1	2500 RPM	311.	.19	57.
						IDLE (N)	975.	1.84	23.
7249	77	CHEV	CAMA	305	1	2500 RPM	12.	0.00	145.
						IDLE (N)	16.	0.00	42.
5250	75	MERC	MONA	250	1	2500 RPM	57.	.02	113.
						IDLE (N)	40.	0.00	49.

APPENDIX E

LISTING OF FEDERAL THREE MODE EMISSIONS RESULTS ON INDIVIDUAL VEHICLES

APPENDIX E

LISTING OF FEDERAL THREE MODE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

NOTE: MINUS ZERO INDICATES DATA NOT COLLECTED (MANUAL TRANS)
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
5001	75	DATS	280Z	168	1	HI SPEED	15.5	10.	.08	651.
						LO SPEED	7.5	7.	.05	235.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		34.	.02	61.
5002	75	AMC	GREM	232	1	HI SPEED	13.5	10.	.02	1570.
						LO SPEED	6.5	6.	.02	516.
						IDLE (D)		17.	0.00	45.
						IDLE (N)		7.	0.00	35.
8003	78	PONT	SUNB	151	1	HI SPEED	13.0	10.	.02	89.
						LO SPEED	6.5	10.	.05	166.
						IDLE (D)		44.	1.22	0.
						IDLE (N)		103.	.91	0.
9004	79	MERC	CAPR	140	1	HI SPEED	14.5	17.	.01	492.
						LO SPEED	6.5	12.	.01	147.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		5.	0.00	12.
8005	78	PONT	STAW	151	1	HI SPEED	13.0	4.	.01	64.
						LO SPEED	6.5	3.	.02	26.
						IDLE (D)		61.	.16	0.
						IDLE (N)		5.	.02	2.
8006	78	PONT	SUNB	151	1	HI SPEED	13.0	212.	4.76	178.
						LO SPEED	6.5	187.	4.35	85.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		552.	8.63	7.
9007	79	CHEV	CAMA	350	1	HI SPEED	15.5	2.	0.00	231.
						LO SPEED	8.5	1.	0.00	173.
						IDLE (D)		3.	0.00	84.
						IDLE (N)		23.	0.00	31.
9008	79	CHEV	STAW	350	1	HI SPEED	19.0	1.	0.00	190.
						LO SPEED	9.5	1.	0.00	173.
						IDLE (D)		1.	0.00	326.
						IDLE (N)		0.	0.00	59.

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APPENDIX E

LISTING OF FEDERAL THREE MODE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
9009	79	CHEV	CAPR	350	1	HI SPEED	18.0	3.	0.00	235.
						LO SPEED	8.5	1.	0.00	133.
						IDLE (D)		0.	0.00	126.
						IDLE (N)		0.	0.00	33.
8010	78	FORD	PINT	140	1	HI SPEED	13.5	15.	.01	376.
						LO SPEED	6.0	8.	.01	147.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		35.	.02	21.
9011	79	VOLV	264G	163	1	HI SPEED	16.0	2.	.01	81.
						LO SPEED	7.5	2.	.01	28.
						IDLE (D)		0.	0.00	36.
						IDLE (N)		0.	0.00	13.
9012	79	OLDS	DELT	350	1	HI SPEED	18.0	12.	0.00	644.
						LO SPEED	8.5	7.	0.00	304.
						IDLE (D)		6.	0.00	49.
						IDLE (N)		4.	0.00	38.
7013	77	CHRY	CORD	360	1	HI SPEED	19.5	26.	.02	583.
						LO SPEED	9.5	21.	.03	197.
						IDLE (D)		29.	.08	47.
						IDLE (N)		23.	.12	44.
6014	76	BUIC	SKYL	231	1	HI SPEED	16.0	43.	.04	3597.
						LO SPEED	7.5	44.	.03	2454.
						IDLE (D)		244.	3.46	76.
						IDLE (N)		1257.	1.14	32.
8015	78	FORD	FIES	98	1	HI SPEED	7.5	25.	.01	747.
						LO SPEED	4.0	41.	.02	367.
						IDLE (D)		60.	.01	28.
						IDLE (N)		52.	.04	27.
5016	75	HOND	STAW	91	1	HI SPEED	12.0	13.	.07	838.
						LO SPEED	5.0	15.	.12	430.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		132.	.28	125.

APPENDIX E

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LOS ANGELES

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
8017	78	PONT	SUNB	151	1	HI SPEED	14.5	9.	.02	190.
						LO SPEED	6.5	6.	.04	198.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		233.	1.94	5.
8018	78	PONT	SUNB	151	1	HI SPEED	13.0	17.	.02	273.
						LO SPEED	6.5	11.	.02	185.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		189.	1.93	7.
6019	76	OLDS	CUTL	260	1	HI SPEED	18.0	96.	.10	2496.
						LO SPEED	8.5	136.	.08	1849.
						IDLE (D)		241.	3.65	75.
						IDLE (N)		597.	2.87	46.
8020	78	PONT	SUNB	151	1	HI SPEED	13.0	160.	1.76	170.
						LO SPEED	6.5	157.	.99	46.
						IDLE (D)		261.	1.35	5.
						IDLE (N)		216.	1.38	6.
5021	75	VOLK	RABB	90	1	HI SPEED	12.0	165.	2.60	841.
						LO SPEED	5.0	88.	.72	400.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		319.	1.36	50.
8022	78	PONT	SUNB	151	1	HI SPEED	13.5	22.	.12	11.
						LO SPEED	6.5	19.	.13	73.
						IDLE (D)		217.	1.37	12.
						IDLE (N)		177.	.69	6.
8023	78	SAAB	99GL	121	1	HI SPEED	14.5	17.	.08	300.
						LO SPEED	6.5	19.	.10	89.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		5.	0.00	48.
8024	78	FORD	STAW	140	1	HI SPEED	13.5	7.	0.00	73.
						LO SPEED	6.5	6.	0.00	106.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		6.	0.00	18.

APPENDIX E

LISTING OF FEDERAL THREE MODE EMISSIONS
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LOS ANGELES

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
9025	79	FORD	PINT	140	1	HI SPEED	13.5	6.	0.00	615.
						LO SPEED	6.0	0.	0.00	211.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		12.	0.00	20.
8026	78	PONT	SUNB	151	1	HI SPEED	13.5	1.	.01	44.
						LO SPEED	6.5	0.	.01	374.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		0.	0.00	8.
9027	79	CHEV	CAMA	305	1	HI SPEED	15.5	7.	0.00	261.
						LO SPEED	8.5	4.	0.00	112.
						IDLE (D)		6.	0.00	269.
						IDLE (N)		4.	0.00	59.
9028	79	CHEV	CAMA	305	1	HI SPEED	15.5	6.	0.00	135.
						LO SPEED	8.5	5.	0.00	55.
						IDLE (D)		5.	0.00	55.
						IDLE (N)		2.	0.00	22.
8029	78	PONT	SUNB	151	1	HI SPEED	13.0	31.	.12	172.
						LO SPEED	6.5	23.	.20	82.
						IDLE (D)		210.	.65	6.
						IDLE (N)		95.	.17	2.
8030	78	VOLV	264G	163	1	HI SPEED	16.0	13.	.03	147.
						LO SPEED	7.5	12.	.03	106.
						IDLE (D)		27.	.11	37.
						IDLE (N)		52.	.27	0.
8031	78	PONT	SUNB	151	1	HI SPEED	13.0	275.	5.45	228.
						LO SPEED	6.5	338.	4.46	221.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		582.	9.77	17.
8032	78	PONT	SUNB	151	1	HI SPEED	13.0	4.	.01	233.
						LO SPEED	6.5	2.	.01	119.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		1.	.02	0.

APPENDIX E

LISTING OF FEDERAL THREE MODE EMISSIONS
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LOS ANGELES

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
8033	78	PONT	SUNB	151	1	HI SPEED	13.0	194.	3.82	58.
						LO SPEED	6.5	237.	2.10	17.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		234.	4.42	8.
5034	75	FORD	GRAN	351	1	HI SPEED	18.0	16.	1.04	152.
						LO SPEED	8.5	23.	.11	205.
						IDLE (D)		47.	.03	85.
						IDLE (N)		206.	4.05	54.
8035	78	PONT	SUNB	151	1	HI SPEED	13.0	219.	7.24	72.
						LO SPEED	6.5	212.	3.18	28.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		208.	5.33	11.
8036	78	PONT	SUNB	151	1	HI SPEED	13.0	27.	.16	16.
						LO SPEED	6.5	29.	.18	82.
						IDLE (D)		38.	.37	3.
						IDLE (N)		17.	.10	2.
6037	76	PONT	GRNP	350	1	HI SPEED	19.5	15.	.01	942.
						LO SPEED	9.5	24.	.01	764.
						IDLE (D)		24.	0.00	73.
						IDLE (N)		25.	0.00	53.
9038	79	FORD	THUN	351	1	HI SPEED	18.0	3.	0.00	717.
						LO SPEED	9.5	7.	0.00	451.
						IDLE (D)		2.	0.00	107.
						IDLE (N)		12.	0.00	63.
8039	78	PONT	SUNB	151	1	HI SPEED	13.0	6.	.01	325.
						LO SPEED	6.5	14.	.01	1030.
						IDLE (D)		16.	0.00	704.
						IDLE (N)		537.	10.26	21.
6040	76	FORD	STAW	140	1	HI SPEED	13.5	58.	.09	1731.
						LO SPEED	6.5	121.	.39	1062.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		39.	.23	31.

APPENDIX E

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LOS ANGELES

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
8041	78	PONT	SUNB	151	1	HI SPEED	13.0	41.	.43	38.
						LO SPEED	6.5	31.	.43	107.
						IDLE (D)		39.	.60	5.
						IDLE (N)		29.	.53	3.
8042	78	FORD	PINT	140	1	HI SPEED	13.5	15.	.02	467.
						LO SPEED	6.0	14.	.02	349.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		30.	0.00	23.
9043	79	FORD	GRAN	302	1	HI SPEED	16.5	10.	0.00	433.
						LO SPEED	8.5	12.	0.00	102.
						IDLE (D)		10.	0.00	100.
						IDLE (N)		6.	0.00	144.
8044	78	PONT	SUNB	151	1	HI SPEED	13.0	233.	5.77	178.
						LO SPEED	6.5	257.	4.96	140.
						IDLE (D)		488.	8.95	18.
						IDLE (N)		473.	8.65	20.
6045	76	FORD	GRAN	302	1	HI SPEED	18.0	152.	1.80	1792.
						LO SPEED	8.5	112.	.18	1048.
						IDLE (D)		239.	2.43	103.
						IDLE (N)		143.	2.21	72.
8046	78	FORD	STAW	140	1	HI SPEED	13.5	27.	.01	468.
						LO SPEED	6.5	20.	0.00	457.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		22.	0.00	28.
8047	78	VOLV	242G	130	1	HI SPEED	14.5	0.	.04	30.
						LO SPEED	6.5	0.	.07	5.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		0.	.05	1.
6048	76	BUIC	REGA	350	1	HI SPEED	19.5	34.	.08	1932.
						LO SPEED	9.5	55.	.51	885.
						IDLE (D)		144.	2.69	110.
						IDLE (N)		122.	2.91	64.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
8049	78	PONT	SUNB	151	1	HI SPEED	13.0	14.	.03	375.
						LO SPEED	6.5	9.	.10	310.
						IDLE (D)		3.	.03	15.
						IDLE (N)		1.	.01	9.
8050	78	PONT	SUNB	151	1	HI SPEED	14.5	114.	4.03	82.
						LO SPEED	6.5	118.	1.54	12.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		8.	.01	58.
9051	79	FORD	STAW	140	1	HI SPEED	13.5	11.	.01	378.
						LO SPEED	6.5	7.	.01	253.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		17.	0.00	20.
9052	79	FORD	PINT	140	1	HI SPEED	13.5	9.	.01	467.
						LO SPEED	6.0	5.	.01	80.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		24.	0.00	16.
9053	79	FORD	STAW	140	1	HI SPEED	13.5	6.	0.00	334.
						LO SPEED	6.5	2.	0.00	19.
						IDLE (D)		4.	0.00	31.
						IDLE (N)		1.	0.00	4.
9054	79	FORD	PINT	140	1	HI SPEED	13.5	6.	0.00	290.
						LO SPEED	6.0	3.	0.00	111.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		13.	0.00	12.
9055	79	FORD	PINT	140	1	HI SPEED	13.5	7.	.01	328.
						LO SPEED	6.0	5.	0.00	110.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		21.	.28	10.
9056	79	FORD	STAW	140	1	HI SPEED	13.5	7.	0.00	260.
						LO SPEED	6.5	4.	0.00	207.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		13.	0.00	18.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
9057	79	FORD	STAW	140	1	HI SPEED	13.5	1.	0.00	71.
						LO SPEED	6.5	0.	0.00	13.
						IDLE (D)		3.	0.00	43.
						IDLE (N)		0.	0.00	3.
9058	79	FORD	PINT	140	1	HI SPEED	13.5	14.	.01	455.
						LO SPEED	6.0	12.	.01	552.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		13.	.02	25.
9059	79	FORD	STAW	140	1	HI SPEED	13.5	14.	0.00	581.
						LO SPEED	6.5	7.	.01	396.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		15.	.01	26.
8060	78	PONT	SUNB	151	1	HI SPEED	14.5	0.	.01	845.
						LO SPEED	6.5	0.	0.00	679.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		126.	.25	3.
8061	78	PONT	SUNB	151	1	HI SPEED	13.0	2.	.06	68.
						LO SPEED	6.5	2.	.01	1724.
						IDLE (D)		1.	.01	376.
						IDLE (N)		0.	.01	102.
9062	79	DODG	MAGN	360	1	HI SPEED	15.5	9.	0.00	542.
						LO SPEED	9.5	7.	0.00	376.
						IDLE (D)		5.	.01	54.
						IDLE (N)		5.	.01	42.
9062	79	DODG	MAGN	360	2	HI SPEED	15.5	1.	0.00	234.
						LO SPEED	9.5	0.	0.00	331.
						IDLE (D)		0.	.03	40.
						IDLE (N)		0.	.03	37.
7063	77	PONT	GRNP	350	1	HI SPEED	16.5	23.	.04	757.
						LO SPEED	8.5	101.	.01	613.
						IDLE (D)		64.	.01	92.
						IDLE (N)		77.	.01	43.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
8064	78	FORD	PINT	140	1	HI SPEED	13.5	13.	.17	361.
						LO SPEED	6.0	1.	0.00	137.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		15.	0.00	29.
5065	75	FORD	STAW	140	1	HI SPEED	13.5	15.	.27	423.
						LO SPEED	6.5	19.	.19	155.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		1091.	.06	36.
7066	77	MERC	MONA	302	1	HI SPEED	18.0	246.	1.10	611.
						LO SPEED	8.5	254.	.80	399.
						IDLE (D)		554.	5.38	52.
						IDLE (N)		639.	4.66	35.
5067	75	FORD	PINT	140	1	HI SPEED	13.5	51.	1.32	722.
						LO SPEED	6.5	82.	2.12	183.
						IDLE (D)		66.	2.46	42.
						IDLE (N)		38.	1.41	34.
8068	78	FORD	PINT	140	1	HI SPEED	13.5	4.	0.00	373.
						LO SPEED	6.0	3.	0.00	52.
						IDLE (D)		4.	.01	116.
						IDLE (N)		3.	.01	34.
8069	78	PONT	STAW	151	1	HI SPEED	13.0	23.	.03	323.
						LO SPEED	6.5	23.	.06	302.
						IDLE (D)		28.	.35	1.
						IDLE (N)		39.	.19	1.
7070	77	OLDS	STAW	403	1	HI SPEED	19.0	1.	0.00	6.
						LO SPEED	9.5	5.	.01	718.
						IDLE (D)		8.	0.00	595.
						IDLE (N)		5.	0.00	114.
9071	79	CADI	SEVI	350	1	HI SPEED	18.0	5.	.03	741.
						LO SPEED	9.5	5.	.02	469.
						IDLE (D)		6.	.01	46.
						IDLE (N)		7.	.01	30.

APPENDIX E

LISTING OF FEDERAL THREE MODE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
9072	79	FORD	PINT	140	1	HI SPEED	13.5	13.	.01	531.
						LO SPEED	6.0	4.	.01	161.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		10.	.06	19.
9073	79	CHEV	NOVA	250	1	HI SPEED	16.0	5.	0.00	235.
						LO SPEED	7.5	5.	0.00	156.
						IDLE (D)		6.	0.00	140.
						IDLE (N)		3.	0.00	29.
8074	78	PONT	SUNB	151	1	HI SPEED	13.0	5.	.01	599.
						LO SPEED	6.5	2.	0.00	382.
						IDLE (D)		0.	.02	41.
						IDLE (N)		1.	0.00	31.
8075	78	FORD	PINT	140	1	HI SPEED	13.5	13.	.01	716.
						LO SPEED	6.0	6.	.01	317.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		13.	0.00	25.
8076	78	PONT	STAW	151	1	HI SPEED	14.5	49.	.54	84.
						LO SPEED	6.5	19.	.37	11.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		61.	.38	4.
8077	78	FORD	STAW	140	1	HI SPEED	13.5	7.	.01	206.
						LO SPEED	6.5	10.	.01	176.
						IDLE (D)		5.	.01	48.
						IDLE (N)		5.	0.00	40.
8078	78	FORD	PINT	140	1	HI SPEED	13.5	10.	.20	326.
						LO SPEED	6.0	13.	.02	135.
						IDLE (D)		5.	0.00	21.
						IDLE (N)		4.	0.00	68.
8079	78	PONT	SUNB	151	1	HI SPEED	14.5	18.	.35	22.
						LO SPEED	6.5	5.	.17	4.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		41.	.68	7.

APPENDIX E

LISTING OF FEDERAL THREE MODE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
8080	78	FORD	PINT	140	1	HI SPEED	13.5	2.	.02	798.
						LO SPEED	6.0	6.	.09	717.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		4.	.01	62.
8081	78	PONT	SUNB	151	1	HI SPEED	14.5	11.	.10	30.
						LO SPEED	6.5	4.	.06	19.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		1.	.01	1.
8082	78	FORD	PINT	140	1	HI SPEED	13.5	21.	.01	417.
						LO SPEED	6.0	30.	.02	320.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		29.	0.00	24.
8083	78	FORD	PINT	140	1	HI SPEED	13.5	14.	.01	633.
						LO SPEED	6.0	7.	.01	250.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		16.	0.00	26.
8084	78	PONT	SUNB	151	1	HI SPEED	13.0	12.	.11	184.
						LO SPEED	6.5	9.	.09	168.
						IDLE (D)		175.	.89	4.
						IDLE (N)		179.	.80	6.
8085	78	FORD	STAW	140	1	HI SPEED	13.5	3.	0.00	303.
						LO SPEED	6.5	3.	.01	311.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		7.	0.00	25.
8086	78	PONT	SUNB	151	1	HI SPEED	14.5	5.	0.00	174.
						LO SPEED	6.5	6.	.01	191.
						IDLE (D)		223.	2.76	4.
						IDLE (N)		193.	1.84	0.
9087	79	VOLK	RABB	89	1	HI SPEED	10.0	43.	.25	23.
						LO SPEED	5.0	208.	2.86	372.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		304.	6.82	18.

APPENDIX E

LISTING OF FEDERAL THREE MODE EMISSIONS ON INDIVIDUAL VEHICLES

LOS ANGELES

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
6088	76	FORD	TORI	351	1	HI SPEED	19.5	16.	.06	231.
						LO SPEED	9.5	26.	.06	126.
						IDLE (D)		40.	.02	77.
						IDLE (N)		96.	1.53	62.
8089	78	FORD	PINT	140	1	HI SPEED	13.5	10.	0.00	663.
						LO SPEED	6.0	4.	0.00	190.
						IDLE (D)		2.	0.00	130.
						IDLE (N)		2.	0.00	41.
8090	78	PONT	SUNB	151	1	HI SPEED	13.5	211.	5.46	152.
						LO SPEED	6.5	243.	4.78	116.
						IDLE (D)		248.	4.47	64.
						IDLE (N)		139.	3.78	45.
8091	78	PONT	SUNB	151	1	HI SPEED	14.5	5.	.01	264.
						LO SPEED	6.5	5.	.06	213.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		3.	.01	13.
6092	76	CHEV	CHET	98	1	HI SPEED	12.0	14.	.31	264.
						LO SPEED	5.0	18.	.20	158.
						IDLE (D)		130.	.13	225.
						IDLE (N)		115.	.13	87.
8093	78	VOLV	264G	163	1	HI SPEED	16.0	5.	.03	119.
						LO SPEED	7.5	4.	.04	38.
						IDLE (D)		4.	.01	38.
						IDLE (N)		3.	.02	6.
9094	79	PLYM	HORI	105	1	HI SPEED	9.5	4.	0.00	287.
						LO SPEED	5.5	1.	0.00	78.
						IDLE (D)		1.	0.00	23.
						IDLE (N)		4.	0.00	19.
8095	78	PONT	SUNB	151	1	HI SPEED	13.0	232.	4.72	49.
						LO SPEED	6.5	297.	4.15	8.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		477.	9.00	9.

APPENDIX E

LISTING OF FEDERAL THREE MODE EMISSIONS ON INDIVIDUAL VEHICLES

LOS ANGELES

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
8096	78	SAAB	99EM	121	1	HI SPEED	14.5	4.	.02	945.
						LO SPEED	6.5	3.	.02	52.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		1.	.09	3.
5097	75	TOYO	STAW	97	1	HI SPEED	13.5	20.	.14	740.
						LO SPEED	6.0	19.	.21	310.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		33.	.54	40.
8098	78	FORD	PINT	140	1	HI SPEED	13.5	15.	.08	358.
						LO SPEED	6.0	4.	.01	381.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		16.	0.00	33.
8099	78	FORD	PINT	140	1	HI SPEED	13.5	36.	.05	487.
						LO SPEED	6.0	34.	.05	429.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		28.	.03	30.
8100	78	FORD	STAW	140	1	HI SPEED	13.5	8.	0.00	275.
						LO SPEED	6.5	2.	0.00	50.
						IDLE (D)		13.	.04	35.
						IDLE (N)		9.	0.00	31.
6101	76	FORD	ELIT	400	1	HI SPEED	19.5	10.	.04	453.
						LO SPEED	9.5	16.	.02	152.
						IDLE (D)		8.	0.00	130.
						IDLE (N)		16.	0.00	70.
8102	78	FORD	STAW	140	1	HI SPEED	13.5	19.	.06	319.
						LO SPEED	6.5	22.	.04	58.
						IDLE (D)		34.	.58	36.
						IDLE (N)		151.	4.24	35.
8103	78	VOLV	264G	163	1	HI SPEED	16.0	5.	.04	225.
						LO SPEED	7.5	5.	.03	65.
						IDLE (D)		3.	.03	5.
						IDLE (N)		3.	.01	8.

APPENDIX E

LISTING OF FEDERAL THREE MODE EMISSIONS
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LOS ANGELES

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
8104	78	VOLV	264G	163	1	HI SPEED	16.0	38.	.29	83.
						LO SPEED	7.5	38.	.17	36.
						IDLE (D)		18.	.05	5.
						IDLE (N)		51.	.10	3.
9105	79	FORD	PINT	140	1	HI SPEED	13.5	16.	.12	258.
						LO SPEED	6.0	15.	.04	109.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		22.	.03	29.
8106	78	VOLV	264G	163	1	HI SPEED	16.0	77.	1.01	241.
						LO SPEED	7.5	170.	2.33	146.
						IDLE (D)		244.	5.88	24.
						IDLE (N)		152.	4.42	39.
8107	78	PONT	SUNB	151	1	HI SPEED	13.0	3.	.03	37.
						LO SPEED	6.5	0.	.05	212.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		6.	.05	4.
8108	78	FORD	PINT	140	1	HI SPEED	13.5	8.	0.00	466.
						LO SPEED	6.0	6.	0.00	462.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		18.	0.00	26.
8109	78	VOLV	264	163	1	HI SPEED	16.0	8.	.03	311.
						LO SPEED	7.5	9.	.03	54.
						IDLE (D)		2.	0.00	5.
						IDLE (N)		3.	.01	5.
9110	79	VOLV	STAW	130	1	HI SPEED	17.5	1.	.01	151.
						LO SPEED	7.5	0.	0.00	103.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		0.	0.00	5.
9111	79	VOLV	264G	163	1	HI SPEED	16.0	0.	.02	49.
						LO SPEED	7.5	0.	0.00	210.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		1.	.05	3.

APPENDIX E

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
9112	79	VOLV	STAW	130	1	HI SPEED	17.5	12.	.02	130.
						LO SPEED	7.5	35.	.33	1.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		71.	.23	2.
9113	79	VOLV	242	131	1	HI SPEED	16.0	3.	.01	355.
						LO SPEED	6.5	27.	.17	1.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		40.	.17	1.
9114	79	VOLV	244	130	1	HI SPEED	16.0	1.	.01	213.
						LO SPEED	7.5	3.	.08	3.
						IDLE (D)		4.	.03	3.
						IDLE (N)		4.	.05	4.
9115	79	VOLV	242	130	1	HI SPEED	16.0	3.	0.00	449.
						LO SPEED	6.5	2.	0.00	45.
						IDLE (D)		1.	0.00	3.
						IDLE (N)		2.	0.00	1.
9116	79	VOLV	STAW	130	1	HI SPEED	17.5	285.	.43	964.
						LO SPEED	7.5	1.	.01	121.
						IDLE (D)		1.	0.00	2.
						IDLE (N)		1.	0.00	4.
9117	79	VOLV	244	130	1	HI SPEED	16.0	1.	0.00	215.
						LO SPEED	7.5	1.	0.00	29.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		0.	0.00	9.
9118	79	VOLV	244	130	1	HI SPEED	16.0	0.	.02	405.
						LO SPEED	7.5	12.	.11	10.
						IDLE (D)		2.	.01	3.
						IDLE (N)		5.	.07	2.
9119	79	VOLV	264G	163	1	HI SPEED	16.0	1.	.02	25.
						LO SPEED	7.5	1.	.02	36.
						IDLE (D)		0.	0.00	3.
						IDLE (N)		0.	0.00	1.

APPENDIX E

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
9120	79	VOLV	264	163	1	HI SPEED	16.0	0.	0.00	175.
						LO SPEED	7.5	0.	0.00	61.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		0.	0.00	16.
9121.	79	FORD	PINT	140	1	HI SPEED	13.5	10.	0.00	459.
						LO SPEED	6.0	5.	.01	189.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		12.	.09	22.
9122	79	FORD	MUST	140	1	HI SPEED	13.5	35.	.01	210.
						LO SPEED	6.0	37.	0.00	302.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		54.	0.00	18.
9123	79	FORD	PINT	140	1	HI SPEED	13.5	9.	0.00	496.
						LO SPEED	6.0	2.	0.00	38.
						IDLE (D)		10.	0.00	59.
						IDLE (N)		7.	0.00	29.
8124	78	PONT	SUNB	151	1	HI SPEED	13.0	6.	.01	150.
						LO SPEED	6.5	2.	.04	110.
						IDLE (D)		57.	.08	3.
						IDLE (N)		24.	.07	3.
9125	79	FORD	PINT	140	1	HI SPEED	13.5	6.	.01	309.
						LO SPEED	6.0	4.	0.00	127.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		14.	.01	19.
9126	79	FORD	STAW	140	1	HI SPEED	14.5	9.	.01	437.
						LO SPEED	6.5	4.	0.00	169.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		15.	0.00	26.
9126	79	FORD	STAW	140	3	HI SPEED	14.5	9.	0.00	339.
						LO SPEED	6.5	6.	0.00	239.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		5.	0.00	28.

APPENDIX E

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
8127	78	FORD	PINT	140	1	HI SPEED	13.5	12.	.02	435.
						LO SPEED	6.0	6.	0.00	75.
						IDLE (D)		368.	6.58	15.
						IDLE (N)		335.	6.21	23.
9128	79	VOLV	STAW	130	1	HI SPEED	17.5	5.	.04	84.
						LO SPEED	7.5	1.	.01	5.
						IDLE (D)		3.	0.00	1.
						IDLE (N)		2.	0.00	6.
6129	76	BUIC	REGA	350	1	HI SPEED	19.5	13.	.01	1287.
						LO SPEED	9.5	13.	0.00	583.
						IDLE (D)		14.	.01	142.
						IDLE (N)		53.	0.00	60.
6130	76	BUIC	SKYL	350	1	HI SPEED	18.0	28.	.04	2488.
						LO SPEED	8.5	26.	.03	1713.
						IDLE (D)		50.	.03	278.
						IDLE (N)		91.	.03	85.
9131	79	PONT	SUNB	231	1	HI SPEED	13.5	6.	0.00	181.
						LO SPEED	6.5	6.	0.00	67.
						IDLE (D)		3.	0.00	93.
						IDLE (N)		3.	0.00	87.
9132	79	PONT	SUNB	305	1	HI SPEED	13.5	6.	0.00	166.
						LO SPEED	6.5	5.	0.00	86.
						IDLE (D)		5.	0.00	86.
						IDLE (N)		5.	0.00	89.
9133	79	PONT	SUNB	231	1	HI SPEED	13.5	9.	0.00	508.
						LO SPEED	6.5	6.	0.00	183.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		3.	0.00	27.
9134	79	PONT	SUNB	231	1	HI SPEED	13.5	6.	0.00	232.
						LO SPEED	6.5	6.	0.00	85.
						IDLE (D)		3.	0.00	72.
						IDLE (N)		3.	0.00	40.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
9135	79	PONT	SUNB	231	1	HI SPEED	13.5	8.	.01	416.
						LO SPEED	6.5	9.	0.00	152.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		4.	0.00	27.
9136	79	PONT	SUNB	151	1	HI SPEED	13.5	5.	.01	176.
						LO SPEED	6.5	4.	.02	70.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		3.	.04	1.
9137	79	PONT	SUNB	231	1	HI SPEED	13.5	6.	.01	183.
						LO SPEED	6.5	7.	0.00	80.
						IDLE (D)		4.	0.00	199.
						IDLE (N)		3.	0.00	153.
8138	78	PONT	SUNB	151	1	HI SPEED	14.5	20.	.01	121.
						LO SPEED	6.5	10.	.02	10.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		136.	.71	1.
8139	78	PONT	SUNB	151	1	HI SPEED	14.5	3.	.05	48.
						LO SPEED	6.5	2.	.01	1064.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		1.	.01	60.
8140	78	VOLV	262C	163	1	HI SPEED	16.0	6.	.05	75.
						LO SPEED	7.5	3.	.03	26.
						IDLE (D)		2.	.01	4.
						IDLE (N)		3.	.03	3.
9141	79	MERC	MARQ	351	1	HI SPEED	17.0	6.	.01	312.
						LO SPEED	8.5	4.	0.00	23.
						IDLE (D)		6.	0.00	43.
						IDLE (N)		5.	0.00	9.
8142	78	SAAB	99GL	121	1	HI SPEED	14.5	18.	.10	51.
						LO SPEED	6.5	21.	.19	19.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		17.	.13	1.

APPENDIX E

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LOS ANGELES

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
8143	78	FORD	PINT	140	1	HI SPEED	13.5	7.	.01	286.
						LO SPEED	6.0	3.	.01	73.
						IDLE (D)		13.	.01	44.
						IDLE (N)		14.	.01	47.
8144	78	FORD	STAW	140	1	HI SPEED	13.5	16.	.01	418.
						LO SPEED	6.5	9.	.02	397.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		23.	.03	33.
9145	79	CADI	SEVI	350	1	HI SPEED	18.0	6.	.06	816.
						LO SPEED	9.5	5.	.03	495.
						IDLE (D)		5.	.01	62.
						IDLE (N)		5.	.01	44.
5146	75	PONT	ASTR	140	1	HI SPEED	14.5	47.	.07	2418.
						LO SPEED	6.5	63.	.25	769.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		25.	.04	62.
8147	78	FORD	PINT	140	1	HI SPEED	13.5	13.	.01	313.
						LO SPEED	6.0	9.	.01	226.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		34.	.01	26.
8148	78	VOLV	264G	163	1	HI SPEED	16.0	7.	.08	68.
						LO SPEED	7.5	8.	.43	127.
						IDLE (D)		7.	.02	3.
						IDLE (N)		5.	.03	5.
8149	78	VOLV	264G	163	1	HI SPEED	16.0	1.	.03	313.
						LO SPEED	7.5	1.	.02	185.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		4.	.03	4.
5150	75	OLDS	98	455	1	HI SPEED	21.5	32.	.03	435.
						LO SPEED	10.5	33.	.03	223.
						IDLE (D)		130.	.03	34.
						IDLE (N)		160.	.02	25.

APPENDIX E

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
6151	76	CHEV	STAW	350	1	HI SPEED	19.0	7.	.01	497.
						LO SPEED	9.5	13.	0.00	101.
						IDLE (D)		14.	0.00	92.
						IDLE (N)		12.	0.00	40.
6151	76	CHEV	STAW	350	2	HI SPEED	19.0	14.	.02	704.
						LO SPEED	9.5	21.	.02	118.
						IDLE (D)		16.	0.00	103.
						IDLE (N)		13.	0.00	45.
6151	76	CHEV	STAW	350	3	HI SPEED	19.0	20.	.02	668.
						LO SPEED	9.5	20.	.01	153.
						IDLE (D)		18.	0.00	93.
						IDLE (N)		17.	0.00	74.
6152	76	FORD	MUST	171	1	HI SPEED	13.5	25.	.35	360.
						LO SPEED	6.5	21.	.12	501.
						IDLE (D)		38.	.05	158.
						IDLE (N)		118.	.14	105.
6152	76	FORD	MUST	171	4	HI SPEED	13.5	44.	.38	348.
						LO SPEED	6.5	26.	.15	496.
						IDLE (D)		47.	.01	99.
						IDLE (N)		182.	.60	84.
6153	76	PLYM	VOLA	318	1	HI SPEED	17.0	19.	.09	2333.
						LO SPEED	8.5	26.	.06	1499.
						IDLE (D)		18.	.02	151.
						IDLE (N)		15.	.01	97.
6153	76	PLYM	VOLA	318	2	HI SPEED	17.0	42.	.20	2241.
						LO SPEED	8.5	24.	.06	1332.
						IDLE (D)		29.	.08	112.
						IDLE (N)		37.	.02	112.
6153	76	PLYM	VOLA	318	3	HI SPEED	17.0	16.	.11	2548.
						LO SPEED	8.5	26.	.07	1709.
						IDLE (D)		32.	.02	125.
						IDLE (N)		21.	.01	72.

APPENDIX E

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
6153	76	PLYM	VOLA	318	4	HI SPEED	17.0	8.	.19	1763.
						LO SPEED	8.5	20.	.10	1653.
						IDLE (D)		6.	.02	131.
						IDLE (N)		3.	0.00	68.
6154	76	HOND	STAW	91	1	HI SPEED	12.0	29.	.17	1616.
						LO SPEED	5.0	93.	.16	892.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		2221.	.13	66.
6154	76	HOND	STAW	91	2	HI SPEED	12.0	37.	.25	2269.
						LO SPEED	5.0	93.	.21	1621.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		583.	2.31	71.
6154	76	HOND	STAW	91	3	HI SPEED	12.0	5.	.12	859.
						LO SPEED	5.0	23.	.21	434.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		156.	.17	56.
6155	76	FORD	PINT	140	1	HI SPEED	13.5	315.	5.71	31.
						LO SPEED	6.5	75.	.89	297.
						IDLE (D)		61.	.24	109.
						IDLE (N)		257.	5.74	53.
6155	76	FORD	PINT	140	3	HI SPEED	13.5	17.	.05	413.
						LO SPEED	6.5	25.	.03	130.
						IDLE (D)		33.	0.00	99.
						IDLE (N)		25.	0.00	48.
6155	76	FORD	PINT	140	4	HI SPEED	13.5	140.	1.34	83.
						LO SPEED	6.5	187.	1.10	55.
						IDLE (D)		125.	.10	50.
						IDLE (N)		111.	.14	43.
7156	77	FORD	GRAN	302	1	HI SPEED	15.5	20.	0.00	625.
						LO SPEED	7.5	17.	0.00	128.
						IDLE (D)		18.	0.00	216.
						IDLE (N)		12.	0.00	73.

APPENDIX E

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
5157	75	FIAT	X19	79	1	HI SPEED	12.0	12.	.12	614.
						LO SPEED	5.5	13.	.86	224.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		20.	.17	55.
5157	75	FIAT	X19	79	2	HI SPEED	12.0	72.	2.46	733.
						LO SPEED	5.5	115.	3.69	251.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		245.	7.21	32.
5157	75	FIAT	X19	79	3	HI SPEED	12.0	0.	.35	702.
						LO SPEED	5.5	36.	.95	428.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		22.	.01	74.
5157	75	FIAT	X19	79	4	HI SPEED	12.0	1.	0.00	40.
						LO SPEED	5.5	0.	.03	22.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		1.	0.00	2.
6158	76	OLDS	CUTL	350	1	HI SPEED	17.0	0.	0.00	250.
						LO SPEED	8.5	6.	0.00	126.
						IDLE (D)		5.	0.00	156.
						IDLE (N)		5.	0.00	68.
6158	76	OLDS	CUTL	350	4	HI SPEED	17.0	0.	0.00	306.
						LO SPEED	8.5	7.	0.00	153.
						IDLE (D)		3.	0.00	99.
						IDLE (N)		9.	0.00	87.
6159	76	FORD	ELIT	351	1	HI SPEED	19.0	49.	.17	665.
						LO SPEED	9.5	49.	.20	143.
						IDLE (D)		230.	3.81	91.
						IDLE (N)		164.	3.46	76.
6159	76	FORD	ELIT	351	2	HI SPEED	19.0	51.	.12	717.
						LO SPEED	9.5	53.	.17	174.
						IDLE (D)		64.	.22	79.
						IDLE (N)		25.	.14	64.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
6159	76	FORD	ELIT	351	3	HI SPEED	19.0	35.	.12	776.
						LO SPEED	9.5	35.	.10	269.
						IDLE (D)		64.	.10	132.
						IDLE (N)		119.	.60	54.
6159	76	FORD	ELIT	351	4	HI SPEED	19.0	36.	.14	742.
						LO SPEED	9.5	43.	.06	289.
						IDLE (D)		66.	.03	172.
						IDLE (N)		130.	.36	49.
6160	76	PLYM	STAW	360	1	HI SPEED	19.0	24.	.14	2175.
						LO SPEED	9.5	18.	.24	264.
						IDLE (D)		236.	4.10	15.
						IDLE (N)		162.	3.07	7.
6160	76	PLYM	STAW	360	2	HI SPEED	19.0	13.	.15	1482.
						LO SPEED	9.5	27.	.53	188.
						IDLE (D)		121.	3.45	26.
						IDLE (N)		60.	1.96	30.
6160	76	PLYM	STAW	360	4	HI SPEED	19.0	15.	.09	2094.
						LO SPEED	9.5	17.	.04	454.
						IDLE (D)		29.	0.00	56.
						IDLE (N)		34.	0.00	50.
5161	75	FORD	STAW	400	1	HI SPEED	21.5	60.	.55	285.
						LO SPEED	11.5	68.	.79	374.
						IDLE (D)		186.	3.41	81.
						IDLE (N)		159.	4.18	57.
5161	75	FORD	STAW	400	2	HI SPEED	21.5	12.	.60	7.
						LO SPEED	11.5	15.	.67	20.
						IDLE (D)		60.	2.03	4.
						IDLE (N)		27.	1.01	3.
5161	75	FORD	STAW	400	3	HI SPEED	21.5	13.	.22	263.
						LO SPEED	11.5	16.	.30	366.
						IDLE (D)		53.	.30	104.
						IDLE (N)		53.	.11	59.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
5161	75	FORD	STAW	400	4	HI SPEED	21.5	0.	.17	279.
						LO SPEED	11.5	0.	.26	414.
						IDLE (D)		23.	.20	152.
						IDLE (N)		5.	.10	75.
6162	76	PLYM	VOLA	225	1	HI SPEED	16.0	15.	.02	2667.
						LO SPEED	7.5	21.	.01	1374.
						IDLE (D)		10.	0.00	48.
						IDLE (N)		7.	0.00	46.
6162	76	PLYM	VOLA	225	2	HI SPEED	16.0	17.	0.00	1202.
						LO SPEED	7.5	24.	0.00	1736.
						IDLE (D)		8.	0.00	106.
						IDLE (N)		2.	0.00	72.
6162	76	PLYM	VOLA	225	3	HI SPEED	16.0	26.	0.00	1064.
						LO SPEED	7.5	29.	0.00	1996.
						IDLE (D)		18.	0.00	236.
						IDLE (N)		5.	0.00	89.
6162	76	PLYM	VOLA	225	4	HI SPEED	16.0	7.	.02	1051.
						LO SPEED	7.5	7.	.01	2154.
						IDLE (D)		0.	0.00	229.
						IDLE (N)		0.	0.00	93.
6163	76	MERC	STAW	460	1	HI SPEED	21.5	0.	.02	361.
						LO SPEED	10.5	0.	.06	119.
						IDLE (D)		0.	.80	40.
						IDLE (N)		162.	7.30	33.
6163	76	MERC	STAW	460	2	HI SPEED	21.5	9.	.04	337.
						LO SPEED	10.5	7.	0.00	131.
						IDLE (D)		170.	6.09	53.
						IDLE (N)		143.	6.06	44.
6163	76	MERC	STAW	460	3	HI SPEED	21.5	0.	.05	429.
						LO SPEED	10.5	2.	.02	253.
						IDLE (D)		16.	0.00	64.
						IDLE (N)		81.	.01	31.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
6164	76	AMC	GREM	232	1	HI SPEED	13.5	4.	0.00	1109.
						LO SPEED	6.5	10.	0.00	650.
						IDLE (D)		-0.	-0.00	-8.
						IDLE (N)		104.	3.53	72.
6164	76	AMC	GREM	232	2	HI SPEED	13.5	6.	.02	928.
						LO SPEED	6.5	7.	0.00	617.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		94.	2.91	73.
6164	76	AMC	GREM	232	3	HI SPEED	13.5	0.	.03	1191.
						LO SPEED	6.5	0.	.01	788.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		66.	2.63	82.
6164	76	AMC	GREM	232	4	HI SPEED	13.5	3.	0.00	937.
						LO SPEED	6.5	9.	0.00	592.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		1.	0.00	57.
6165	76	PLYM	ARRO	98	1	HI SPEED	12.0	41.	.63	3760.
						LO SPEED	5.5	114.	1.51	1780.
						IDLE (D)		231.	4.81	110.
						IDLE (N)		255.	4.81	83.
6165	76	PLYM	ARRO	98	2	HI SPEED	12.0	47.	.70	3402.
						LO SPEED	5.5	99.	1.45	1123.
						IDLE (D)		203.	4.14	105.
						IDLE (N)		170.	3.99	87.
6165	76	PLYM	ARRO	98	3	HI SPEED	12.0	48.	.86	3215.
						LO SPEED	5.5	90.	1.30	1323.
						IDLE (D)		168.	2.14	120.
						IDLE (N)		134.	1.84	82.
6165	76	PLYM	ARRO	98	4	HI SPEED	12.0	26.	.36	2163.
						LO SPEED	5.5	25.	.54	992.
						IDLE (D)		40.	.27	83.
						IDLE (N)		214.	.41	66.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
5166	75	BUIC	SKYH	231	1	HI SPEED	16.0	23.	.08	1397.
						LO SPEED	7.5#	243.	5.08	77.
						IDLE (D)		356.	7.60	15.
						IDLE (N)		520.	7.05	6.
5166	75	BUIC	SKYH	231	2	HI SPEED	16.0	32.	.09	1747.
						LO SPEED	7.5	228.	5.27	104.
						IDLE (D)		392.	7.50	26.
						IDLE (N)		504.	7.10	15.
5166	75	BUIC	SKYH	231	3	HI SPEED	16.0	0.	.16	1274.
						LO SPEED	7.5	155.	2.23	145.
						IDLE (D)		139.	1.80	170.
						IDLE (N)		86.	1.73	55.
5166	75	BUIC	SKYH	231	4	HI SPEED	16.0	13.	.03	1338.
						LO SPEED	7.5	191.	2.43	214.
						IDLE (D)		189.	2.29	199.
						IDLE (N)		127.	2.33	54.
7167	77	HOND	ACCO	97	1	HI SPEED	12.0	4.	.03	845.
						LO SPEED	5.0	1.	.07	872.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		79.	.81	116.
7167	77	HOND	ACCO	97	4	HI SPEED	12.0	0.	.11	973.
						LO SPEED	5.0	0.	.18	963.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		57.	.42	105.
5168	75	FORD	MUST	171	1	HI SPEED	13.5	32.	.34	505.
						LO SPEED	6.5	41.	.55	481.
						IDLE (D)		22.	.12	68.
						IDLE (N)		12.	.05	73.
5168	75	FORD	MUST	171	3	HI SPEED	13.5	12.	.23	575.
						LO SPEED	6.5	47.	.43	969.
						IDLE (D)		10.	.18	160.
						IDLE (N)		2.	.12	97.

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5168	75	FORD	MUST	171	4	HI SPEED	13.5	6.	.21	505.
						LO SPEED	6.5	37.	.45	729.
						IDLE (D)		13.	.04	138.
						IDLE (N)		13.	.18	89.
6169	76	PONT	VENT	350	1	HI SPEED	18.0	0.	0.00	351.
						LO SPEED	8.5	6.	0.00	14.
						IDLE (D)		12.	0.00	26.
						IDLE (N)		81.	0.00	4.
6169	76	PONT	VENT	350	2	HI SPEED	18.0	2.	0.00	465.
						LO SPEED	8.5	9.	0.00	161.
						IDLE (D)		7.	0.00	164.
						IDLE (N)		5.	0.00	133.
6169	76	PONT	VENT	350	4	HI SPEED	18.0	7.	0.00	620.
						LO SPEED	8.5	10.	0.00	203.
						IDLE (D)		8.	0.00	212.
						IDLE (N)		6.	0.00	56.
6170	76	PLYM	STAW	318	1	HI SPEED	18.0	12.	.02	1350.
						LO SPEED	8.5	31.	.02	1277.
						IDLE (D)		8.	0.00	90.
						IDLE (N)		2.	0.00	63.
6170	76	PLYM	STAW	318	3	HI SPEED	18.0	21.	0.00	1258.
						LO SPEED	8.5	39.	0.00	1283.
						IDLE (D)		12.	0.00	108.
						IDLE (N)		13.	0.00	57.
6170	76	PLYM	STAW	318	4	HI SPEED	18.0	15.	.01	1061.
						LO SPEED	8.5	25.	.01	1368.
						IDLE (D)		9.	0.00	114.
						IDLE (N)		11.	.01	61.
6171	76	CHEV	MONT	350	1	HI SPEED	19.5	8.	.01	1435.
						LO SPEED	9.5	15.	.01	761.
						IDLE (D)		48.	0.00	88.
						IDLE (N)		37.	.01	39.

APPENDIX E

LISTING OF FEDERAL THREE MODE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
6171	76	CHEV	MONT	350	2	HI SPEED	19.5	5.	0.00	387.
						LO SPEED	9.5	26.	.22	217.
						IDLE (D)		34.	0.00	70.
						IDLE (N)		22.	0.00	40.
6171	76	CHEV	MONT	350	3	HI SPEED	19.5	6.	0.00	489.
						LO SPEED	9.5	7.	0.00	160.
						IDLE (D)		26.	0.00	93.
						IDLE (N)		30.	0.00	34.
6171	76	CHEV	MONT	350	4	HI SPEED	19.5	3.	.01	351.
						LO SPEED	9.5	5.	0.00	135.
						IDLE (D)		21.	0.00	93.
						IDLE (N)		40.	0.00	21.
6172	76	PLYM	FURY	318	1	HI SPEED	18.0 #	1.	0.00	0.
						LO SPEED	8.5	1.	0.00	0.
						IDLE (D)		2.	0.00	0.
						IDLE (N)		1.	0.00	0.
6172	76	PLYM	FURY	318	3	HI SPEED	18.0	40.	.05	2252.
						LO SPEED	8.5	54.	.05	1362.
						IDLE (D)		38.	0.00	123.
						IDLE (N)		9.	0.00	68.
6172	76	PLYM	FURY	318	4	HI SPEED	18.0	19.	.03	1182.
						LO SPEED	8.5	27.	.02	864.
						IDLE (D)		11.	0.00	125.
						IDLE (N)		5.	0.00	74.
6173	76	MERC	COME	250	1	HI SPEED	17.0	8.	.02	703.
						LO SPEED	8.5	14.	0.00	243.
						IDLE (D)		17.	0.00	67.
						IDLE (N)		4.	.03	47.
6173	76	MERC	COME	250	2	HI SPEED	17.0	3.	0.00	736.
						LO SPEED	8.5	13.	0.00	208.
						IDLE (D)		15.	0.00	87.
						IDLE (N)		6.	0.00	72.

APPENDIX E

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LOS ANGELES

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
6173	76	MERC	COME	250	3	HI SPEED	17.0	17.	.02	737.
						LO SPEED	8.5	23.	0.00	212.
						IDLE (D)		26.	0.00	92.
						IDLE (N)		11.	0.00	43.
6174	76	FORD	GRAN	250	1	HI SPEED	15.5	0.	0.00	472.
						LO SPEED	7.5	2.	0.00	587.
						IDLE (D)		121.	.04	77.
						IDLE (N)		94.	.14	9.
6175	76	BUIC	REGA	350	1	HI SPEED	19.5	10.	0.00	954.
						LO SPEED	9.5	13.	0.00	406.
						IDLE (D)		8.	0.00	159.
						IDLE (N)		7.	0.00	63.
6175	76	BUIC	REGA	350	4	HI SPEED	19.5	9.	0.00	914.
						LO SPEED	9.5	13.	0.00	363.
						IDLE (D)		8.	0.00	320.
						IDLE (N)		3.	0.00	88.
5176	75	FORD	PINT	140	1	HI SPEED	13.5	73.	.92	1781.
						LO SPEED	6.5	160.	1.79	985.
						IDLE (D)		159.	1.21	630.
						IDLE (N)		66.	1.63	175.
5176	75	FORD	PINT	140	2	HI SPEED	13.5	31.	.76	1358.
						LO SPEED	6.5	91.	1.54	768.
						IDLE (D)		80.	.88	398.
						IDLE (N)		26.	1.10	132.
5176	75	FORD	PINT	140	3	HI SPEED	13.5	27.	.60	1403.
						LO SPEED	6.5	87.	1.54	793.
						IDLE (D)		12.	0.00	155.
						IDLE (N)		21.	0.00	95.
5176	75	FORD	PINT	140	4	HI SPEED	13.5	13.	.24	1040.
						LO SPEED	6.5	28.	.26	734.
						IDLE (D)		34.	.28	836.
						IDLE (N)		13.	.16	132.

APPENDIX E

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LOS ANGELES

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
6177	76	PONT	VENT	250	1	HI SPEED	18.0	12.	.01	1339.
						LO SPEED	8.5	21.	0.00	858.
						IDLE (D)		30.	.02	50.
						IDLE (N)		21.	.02	35.
5178	75	BUIC	SKYH	231	1	HI SPEED	15.5	10.	0.00	570.
						LO SPEED	7.5	18.	0.00	207.
						IDLE (D)		10.	0.00	288.
						IDLE (N)		154.	0.00	76.
5178	75	BUIC	SKYH	231	2	HI SPEED	15.5	5.	0.00	574.
						LO SPEED	7.5	23.	.09	214.
						IDLE (D)		24.	0.00	273.
						IDLE (N)		1.	0.00	58.
5178	75	BUIC	SKYH	231	3	HI SPEED	15.5	13.	.01	478.
						LO SPEED	7.5	34.	0.00	190.
						IDLE (D)		27.	0.00	397.
						IDLE (N)		9.	0.00	87.
5178	75	BUIC	SKYH	231	4	HI SPEED	15.5	2.	.02	610.
						LO SPEED	7.5	22.	.01	174.
						IDLE (D)		3.	0.00	302.
						IDLE (N)		0.	0.00	65.
5179	75	VOLK	RABB	89	1	HI SPEED	12.0	74.	3.77	222.
						LO SPEED	5.0	11.	.03	379.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		13.	0.00	52.
5179	75	VOLK	RABB	89	2	HI SPEED	12.0	41.	3.46	149.
						LO SPEED	5.0	12.	.07	358.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		14.	.01	51.
5179	75	VOLK	RABB	89	3	HI SPEED	12.0	53.	4.41	137.
						LO SPEED	5.0	8.	.05	350.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		8.	0.00	52.

APPENDIX E

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LOS ANGELES

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
5179	75	VOLK	RABB	89	4	HI SPEED	12.0	238.	4.29	286.
						LO SPEED	5.0	71.	.14	597.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		25.	.01	55.
6180	76	PONT	LEMA	350	1	HI SPEED	18.0	8.	0.00	625.
						LO SPEED	8.5	12.	0.00	557.
						IDLE (D)		14.	0.00	88.
						IDLE (N)		14.	0.00	56.
6180	76	PONT	LEMA	350	4	HI SPEED	18.0	10.	.01	629.
						LO SPEED	8.5	16.	.01	317.
						IDLE (D)		15.	0.00	184.
						IDLE (N)		27.	0.00	74.
6181	76	AMC	GREM	258	1	HI SPEED	14.5	93.	2.89	642.
						LO SPEED	6.5	216.	5.80	128.
						IDLE (D)		374.	8.05	18.
						IDLE (N)		2459.	11.11	11.
5182	75	HOND	STAW	91	1	HI SPEED	12.0	0.	.03	349.
						LO SPEED	5.0	0.	.42	777.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		166.	2.91	119.
5182	75	HOND	STAW	91	2	HI SPEED	12.0	7.	.07	1026.
						LO SPEED	5.0	12.	.20	730.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		91.	1.17	102.
5182	75	HOND	STAW	91	3	HI SPEED	12.0	7.	.08	917.
						LO SPEED	5.0	10.	.23	634.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		42.	.24	83.
5182	75	HOND	STAW	91	4	HI SPEED	12.0	0.	.08	1150.
						LO SPEED	5.0	0.	.12	505.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		84.	.28	128.

APPENDIX E

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
6183	76	PLYM	VOLA	318	1	HI SPEED	18.0	23.	.01	2459.
						LO SPEED	8.5	18.	.02	1104.
						IDLE (D)		8.	.01	88.
						IDLE (N)		7.	.01	69.
6183	76	PLYM	VOLA	318	2	HI SPEED	18.0	17.	.01	1165.
						LO SPEED	8.5	19.	.02	977.
						IDLE (D)		11.	.01	75.
						IDLE (N)		8.	0.00	51.
6183	76	PLYM	VOLA	318	3	HI SPEED	18.0	16.	.01	994.
						LO SPEED	8.5	24.	.01	869.
						IDLE (D)		10.	0.00	113.
						IDLE (N)		14.	0.00	56.
6183	76	PLYM	VOLA	318	4	HI SPEED	18.0	25.	.02	1134.
						LO SPEED	8.5	36.	.04	1389.
						IDLE (D)		13.	0.00	114.
						IDLE (N)		14.	0.00	53.
6184	76	TOYO	CORO	134	1	HI SPEED	14.5	2.	.02	1127.
						LO SPEED	6.5	6.	.02	702.
						IDLE (D)		1.	.01	49.
						IDLE (N)		0.	0.00	41.
6185	76	MERC	MONA	351	1	HI SPEED	18.0	113.	1.56	544.
						LO SPEED	8.5	96.	1.05	176.
						IDLE (D)		164.	3.37	108.
						IDLE (N)		114.	3.01	73.
6185	76	MERC	MONA	351	2	HI SPEED	18.0	16.	.02	706.
						LO SPEED	8.5	15.	0.00	310.
						IDLE (D)		17.	0.00	126.
						IDLE (N)		5.	0.00	55.
6185	76	MERC	MONA	351	3	HI SPEED	18.0	23.	.01	649.
						LO SPEED	8.5	18.	0.00	226.
						IDLE (D)		22.	0.00	210.
						IDLE (N)		10.	0.00	68.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
6185	76	MERC	MONA	351	4	HI SPEED	18.0	21.	.01	613.
						LO SPEED	8.5	18.	0.00	204.
						IDLE (D)		21.	0.00	154.
						IDLE (N)		11.	0.00	64.
6186	76	HOND	CVCC	91	1	HI SPEED	10.5	9.	.25	1918.
						LO SPEED	4.5	33.	.27	1085.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		97.	.20	48.
6186	76	HOND	CVCC	91	2	HI SPEED	10.5	13.	.31	2559.
						LO SPEED	4.5	34.	.25	793.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		96.	.21	72.
6186	76	HOND	CVCC	91	4	HI SPEED	10.5	20.	.34	2455.
						LO SPEED	4.5	41.	.28	775.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		136.	.23	56.
6187	76	FORD	PINT	140	1	HI SPEED	13.5	30.	.05	883.
						LO SPEED	6.5	42.	.01	298.
						IDLE (D)		358.	0.00	153.
						IDLE (N)		380.	0.00	34.
6187	76	FORD	PINT	140	3	HI SPEED	13.5	12.	.04	877.
						LO SPEED	6.5	39.	.02	326.
						IDLE (D)		257.	0.00	95.
						IDLE (N)		271.	0.00	43.
6187	76	FORD	PINT	140	4	HI SPEED	13.5	26.	.10	1068.
						LO SPEED	6.5	34.	.05	295.
						IDLE (D)		58.	.03	33.
						IDLE (N)		21.	0.00	28.
5188	75	FORD	TORI	351	1	HI SPEED	19.5	18.	.05	311.
						LO SPEED	9.5	21.	.05	79.
						IDLE (D)		27.	0.00	70.
						IDLE (N)		14.	0.00	39.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
5188	75	FORD	TORI	351	2	HI SPEED	19.5	15.	.04	309.
						LO SPEED	9.5	16.	.03	100.
						IDLE (D)		34.	.01	80.
						IDLE (N)		22.	.01	50.
5188	75	FORD	TORI	351	3	HI SPEED	19.5	26.	.06	299.
						LO SPEED	9.5	27.	.03	93.
						IDLE (D)		109.	0.00	143.
						IDLE (N)		160.	0.00	45.
5188	75	FORD	TORI	351	4	HI SPEED	19.5	22.	.04	294.
						LO SPEED	9.5	27.	.02	79.
						IDLE (D)		36.	0.00	117.
						IDLE (N)		102.	0.00	46.
6189	76	CHEV	CHET	97	1	HI SPEED	12.0	25.	0.00	2111.
						LO SPEED	5.0	13.	0.00	599.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		9.	0.00	51.
6189	76	CHEV	CHET	97	2	HI SPEED	12.0	13.	0.00	581.
						LO SPEED	5.0	28.	0.00	1317.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		7.	0.00	52.
7190	77	CHEV	CAMA	250	1	HI SPEED	15.5	25.	0.00	1826.
						LO SPEED	8.5	17.	0.00	480.
						IDLE (D)		13.	0.00	90.
						IDLE (N)		5.	0.00	37.
7190	77	CHEV	CAMA	250	2	HI SPEED	15.5	33.	0.00	2187.
						LO SPEED	8.5	22.	0.00	479.
						IDLE (D)		13.	0.00	169.
						IDLE (N)		8.	0.00	48.
7190	77	CHEV	CAMA	250	4	HI SPEED	15.5	36.	0.00	1900.
						LO SPEED	8.5	27.	0.00	524.
						IDLE (D)		19.	0.00	88.
						IDLE (N)		8.	0.00	46.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
6191	76	HOND	CVCC	91	1	HI SPEED	10.5	9.	.13	1229.
						LO SPEED	4.5	13.	.34	639.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		107.	.21	53.
6192	76	FORD	LTD	400	1	HI SPEED	19.5	38.	.09	508.
						LO SPEED	9.5	56.	.09	411.
						IDLE (D)		489.	8.95	40.
						IDLE (N)		785.	7.88	35.
7193	77	PONT	VENT	350	1	HI SPEED	16.5	5.	.01	746.
						LO SPEED	8.5	11.	0.00	436.
						IDLE (D)		13.	0.00	85.
						IDLE (N)		11.	0.00	49.
5194	75	FORD	TORI	351	1	HI SPEED	19.5	7.	.05	378.
						LO SPEED	9.5	7.	.02	101.
						IDLE (D)		16.	0.00	94.
						IDLE (N)		9.	0.00	49.
5194	75	FORD	TORI	351	2	HI SPEED	19.5	7.	.05	330.
						LO SPEED	9.5	7.	.04	104.
						IDLE (D)		18.	0.00	117.
						IDLE (N)		21.	0.00	51.
5194	75	FORD	TORI	351	3	HI SPEED	19.5	6.	.03	400.
						LO SPEED	9.5	11.	.02	111.
						IDLE (D)		18.	0.00	163.
						IDLE (N)		17.	0.00	77.
5194	75	FORD	TORI	351	4	HI SPEED	19.5	4.	.03	260.
						LO SPEED	9.5	7.	0.00	57.
						IDLE (D)		8.	0.00	102.
						IDLE (N)		15.	0.00	45.
6195	76	BMW	2002	121	1	HI SPEED	13.5	8.	.17	712.
						LO SPEED	6.0	8.	.39	343.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		10.	.48	39.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
5196	75	HOND	CVCC	91	1	HI SPEED	10.5	32.	.26	2062.
						LO SPEED	4.5	38.	.23	1036.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		221.	.30	68.
5196	75	HOND	CVCC	91	2	HI SPEED	10.5	6.	.16	1332.
						LO SPEED	4.5	7.	.25	796.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		154.	.19	86.
5196	75	HOND	CVCC	91	4	HI SPEED	10.5	10.	.10	905.
						LO SPEED	4.5	9.	.15	492.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		71.	.37	71.
5197	75	HOND	CVCC	91	1	HI SPEED	10.5	0.	.11	1150.
						LO SPEED	4.5	0.	.25	768.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		54.	.45	87.
5198	75	HOND	CVCC	76	1	HI SPEED	10.5	33.	.62	1449.
						LO SPEED	4.5	79.	1.14	465.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		105.	1.91	42.
5198	75	HOND	CVCC	76	2	HI SPEED	10.5	60.	.48	2087.
						LO SPEED	4.5	117.	1.16	634.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		91.	1.73	41.
5198	75	HOND	CVCC	76	3	HI SPEED	10.5	58.	.50	2138.
						LO SPEED	4.5	111.	1.03	654.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		118.	.42	50.
5198	75	HOND	CVCC	76	4	HI SPEED	10.5	54.	.70	2381.
						LO SPEED	4.5	59.	1.14	427.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		163.	.82	51.

APPENDIX E

LISTING OF FEDERAL THREE MODE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
6199	76	TOYO	CORO	97	1	HI SPEED	13.5	11.	.14	1865.
						LO SPEED	6.0	1.	.03	319.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		5.	.03	58.
6200	76	VOLK	RABB	97	1	HI SPEED	12.0	324.	7.37	420.
						LO SPEED	5.0	409.	9.28	66.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		447.	10.09	16.
5201	75	MERC	MONA	302	1	HI SPEED	18.0	6.	.21	651.
						LO SPEED	8.5	20.	.11	482.
						IDLE (D)		40.	.08	60.
						IDLE (N)		10.	.12	49.
5201	75	MERC	MONA	302	2	HI SPEED	18.0	27.	.26	293.
						LO SPEED	8.5	34.	.14	207.
						IDLE (D)		49.	.12	56.
						IDLE (N)		22.	.16	51.
5201	75	MERC	MONA	302	3	HI SPEED	18.0	36.	.30	237.
						LO SPEED	8.5	30.	.10	237.
						IDLE (D)		35.	.05	140.
						IDLE (N)		30.	.05	72.
5201	75	MERC	MONA	302	4	HI SPEED	18.0	9.	.09	115.
						LO SPEED	8.5	19.	.04	107.
						IDLE (D)		24.	.02	63.
						IDLE (N)		8.	.01	34.
5202	75	DATS	280Z	168	1	HI SPEED	13.5	215.	5.47	177.
						LO SPEED	6.5	212.	5.63	93.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		331.	5.39	35.
5203	75	TOYO	CELI	134	1	HI SPEED	14.5	20.	.21	791.
						LO SPEED	6.0	48.	.52	157.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		9.	.06	39.

APPENDIX E

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
5204	75	CHEV	MONZ	140	1	HI SPEED	14.5	52.	1.58	500.
						LO SPEED	6.5	115.	1.63	118.
						IDLE (D)		71.	.90	114.
						IDLE (N)		28.	.45	38.
5204	75	CHEV	MONZ	140	2	HI SPEED	14.5	23.	1.62	486.
						LO SPEED	6.5	50.	1.39	78.
						IDLE (D)		60.	.88	128.
						IDLE (N)		29.	.46	41.
5204	75	CHEV	MONZ	140	3	HI SPEED	14.5	20.	.56	292.
						LO SPEED	6.5	42.	.61	64.
						IDLE (D)		49.	.31	79.
						IDLE (N)		25.	.19	11.
5204	75	CHEV	MONZ	140	4	HI SPEED	14.5	55.	1.39	660.
						LO SPEED	6.5	112.	1.35	152.
						IDLE (D)		101.	.79	186.
						IDLE (N)		46.	.51	45.
6205	76	FORD	PINT	140	1	HI SPEED	13.5	36.	.56	1440.
						LO SPEED	6.5	84.	1.96	268.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		37.	.77	28.
6205	76	FORD	PINT	140	2	HI SPEED	13.5	43.	.71	1226.
						LO SPEED	6.5	77.	1.86	205.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		36.	.90	31.
6205	76	FORD	PINT	140	4	HI SPEED	13.5	35.	.44	1046.
						LO SPEED	6.5	64.	1.52	234.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		20.	.28	42.
5206	75	DATS	B210	85	1	HI SPEED	12.0	35.	.05	1093.
						LO SPEED	5.5	40.	.02	437.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		22.	.05	23.

APPENDIX E

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
5206	75	DATS	B210	85	2	HI SPEED	12.0	36.	.07	1334.
						LO SPEED	5.5	37.	.02	1174.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		6.	.05	21.
5206	75	DATS	B210	85	4	HI SPEED	12.0	37.	.05	1302.
						LO SPEED	5.5	50.	.01	1287.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		15.	.03	25.
6207	76	OLDS	CUTL	350	1	HI SPEED	19.5	0.	0.00	226.
						LO SPEED	9.5	1.	0.00	158.
						IDLE (D)		142.	3.72	70.
						IDLE (N)		120.	4.54	47.
6207	76	OLDS	CUTL	350	3	HI SPEED	19.5	4.	0.00	245
						LO SPEED	9.5	5.	0.00	146.
						IDLE (D)		7.	0.00	127.
						IDLE (N)		3.	0.00	56.
7208	77	CHEV	STAW	350	1	HI SPEED	18.0	8.	.01	362.
						LO SPEED	9.5	10.	.01	216.
						IDLE (D)		22.	.01	39.
						IDLE (N)		16.	0.00	34.
7208	77	CHEV	STAW	350	3	HI SPEED	18.0	13.	.02	567.
						LO SPEED	9.5	12.	.01	352.
						IDLE (D)		18.	0.00	107.
						IDLE (N)		11.	0.00	40.
7208	77	CHEV	STAW	350	4	HI SPEED	18.0	17.	.01	529.
						LO SPEED	9.5	16.	.01	285.
						IDLE (D)		20.	0.00	97.
						IDLE (N)		17.	0.00	44.
5209	75	DATS	STAW	119	1	HI SPEED	13.5	40.	.55	763.
						LO SPEED	6.5	90.	.65	927.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		25.	0.00	89.

APPENDIX E

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
6210	76	MERC	COUG	351	1	HI SPEED	19.5	2.	.08	156.
						LO SPEED	9.5	6.	.02	139.
						IDLE (D)		4.	.01	130.
						IDLE (N)		6.	0.00	76.
6210	76	MERC	COUG	351	2	HI SPEED	19.5	10.	.03	202.
						LO SPEED	9.5	18.	0.00	171.
						IDLE (D)		31.	0.00	148.
						IDLE (N)		51.	0.00	67.
6210	76	MERC	COUG	351	3	HI SPEED	19.5	2.	.03	205.
						LO SPEED	9.5	11.	.01	169.
						IDLE (D)		24.	.01	137.
						IDLE (N)		55.	.01	86.
6210	76	MERC	COUG	351	4	HI SPEED	19.5	3.	.02	215.
						LO SPEED	9.5	22.	0.00	188.
						IDLE (D)		39.	0.00	100.
						IDLE (N)		59.	0.00	83.
7211	77	OLDS	CUTL	350	1	HI SPEED	16.5	9.	0.00	391.
						LO SPEED	8.5	16.	0.00	302.
						IDLE (D)		9.	0.00	77.
						IDLE (N)		6.	0.00	41.
7212	77	OLDS	CUTL	350	1	HI SPEED	16.5	14.	0.00	454.
						LO SPEED	8.5	26.	0.00	396.
						IDLE (D)		15.	0.00	53.
						IDLE (N)		10.	0.00	43.
7212	77	OLDS	CUTL	350	3	HI SPEED	16.5	20.	0.00	405.
						LO SPEED	8.5	21.	0.00	256.
						IDLE (D)		18.	0.00	74.
						IDLE (N)		14.	0.00	49.
7212	77	OLDS	CUTL	350	4	HI SPEED	16.5	11.	0.00	524.
						LO SPEED	8.5	10.	0.00	219.
						IDLE (D)		8.	0.00	52.
						IDLE (N)		6.	0.00	38.

APPENDIX E

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
7213	77	OLDS	CUTL	350	1	HI SPEED	16.5	4.	.01	590.
						LO SPEED	8.5	11.	0.00	463.
						IDLE (D)		14.	0.00	49.
						IDLE (N)		9.	0.00	44.
5214	75	FORD	LTD	460	1	HI SPEED	21.5	10.	.17	319.
						LO SPEED	10.5	31.	.08	772.
						IDLE (D)		24.	.01	75.
						IDLE (N)		67.	.02	46.
5214	75	FORD	LTD	460	3	HI SPEED	21.5	9.	.10	203.
						LO SPEED	10.5	6.	.08	74.
						IDLE (D)		5.	.01	159.
						IDLE (N)		42.	.02	65.
5214	75	FORD	LTD	460	4	HI SPEED	21.5	2.	.05	244.
						LO SPEED	10.5	5.	.04	261.
						IDLE (D)		9.	.01	143.
						IDLE (N)		37.	.01	61.
6215	76	MERC	COUG	351	1	HI SPEED	19.5	24.	.08	528.
						LO SPEED	9.5	23.	.17	180.
						IDLE (D)		142.	6.24	63.
						IDLE (N)		144.	5.94	63.
6215	76	MERC	COUG	351	2	HI SPEED	19.5	29.	.11	490.
						LO SPEED	9.5	30.	.18	131.
						IDLE (D)		162.	6.56	66.
						IDLE (N)		165.	6.17	56.
6215	76	MERC	COUG	351	3	HI SPEED	19.5	21.	.06	412.
						LO SPEED	9.5	28.	.03	218.
						IDLE (D)		36.	0.00	85.
						IDLE (N)		119.	0.00	55.
6215	76	MERC	COUG	351	4	HI SPEED	19.5	12.	.05	533.
						LO SPEED	9.5	14.	.04	171.
						IDLE (D)		16.	.01	127.
						IDLE (N)		107.	.04	76.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
6216	76	FORD	MUST	171	1	HI SPEED	13.5	57.	.16	2290.
						LO SPEED	6.5	44.	.16	618.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		26.	.04	100.
6217	76	CADI	DEVI	500	1	HI SPEED	22.5	12.	.01	416.
						LO SPEED	11.5	19.	0.00	307.
						IDLE (D)		7.	0.00	154.
						IDLE (N)		23.	0.00	72.
5218	75	CHEV	CAPR	400	1	HI SPEED	21.5	317.	.22	654.
						LO SPEED	10.5	78.	.06	441.
						IDLE (D)		100.	.11	38.
						IDLE (N)		92.	.06	43.
5219	75	FORD	PINT	140	1	HI SPEED	13.5	14.	1.07	177.
						LO SPEED	6.5	30.	.90	88.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		27.	.21	39.
5220	75	FORD	ELIT	351	1	HI SPEED	19.5	65.	.14	1112.
						LO SPEED	9.5	121.	.45	385.
						IDLE (D)		312.	1.04	53.
						IDLE (N)		392.	.63	41.
5221	75	FORD	PINT	140	1	HI SPEED	13.5	7.	.08	470.
						LO SPEED	6.5	4.	.02	199.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		16.	.01	35.
6222	76	MERC	STAW	351	1	HI SPEED	21.5	38.	.03	478.
						LO SPEED	10.5	68.	.01	401.
						IDLE (D)		441.	6.47	59.
						IDLE (N)		347.	6.42	55.
5223	75	CHEV	STAW	350	1	HI SPEED	22.5	53.	.62	1638.
						LO SPEED	11.5	99.	.72	1163.
						IDLE (D)		258.	3.63	47.
						IDLE (N)		273.	2.73	29.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
7224	77	CHEV	CAMA	305	1	HI SPEED	15.5	12.	.01	475.
						LO SPEED	8.5	23.	.01	491.
						IDLE (D)		253.	.88	38.
						IDLE (N)		418.	.75	17.
5225	75	CHEV	MONZ	140	1	HI SPEED	14.5	28.	.40	1080.
						LO SPEED	6.5	85.	.35	1156.
						IDLE (D)		60.	.01	223.
						IDLE (N)		57.	.01	207.
6226	76	HOND	STAW	91	1	HI SPEED	12.0	14.	.07	280.
						LO SPEED	5.0	8.	.10	156.
						IDLE (D)		9.	.18	99.
						IDLE (N)		31.	.15	34.
6227	76	LINC	CONT	460	1	HI SPEED	22.5	17.	.03	364.
						LO SPEED	11.5	18.	.03	168.
						IDLE (D)		438.	8.64	19.
						IDLE (N)		500.	9.38	20.
5228	75	PONT	GRNV	400	1	HI SPEED	21.5	28.	.01	1278.
						LO SPEED	10.5	25.	0.00	489.
						IDLE (D)		34.	.55	13.
						IDLE (N)		29.	.01	32.
5229	75	FORD	PINT	171	1	HI SPEED	13.5	23.	.19	874.
						LO SPEED	6.5	17.	.14	380.
						IDLE (D)		32.	.06	61.
						IDLE (N)		22.	.05	56.
6230	76	BUIC	REGA	350	1	HI SPEED	19.5	15.	.01	977.
						LO SPEED	9.5	21.	.01	394.
						IDLE (D)		12.	.01	71.
						IDLE (N)		16.	.01	48.
5231	75	CADI	COUP	500	1	HI SPEED	22.5	10.	.03	101.
						LO SPEED	11.5	10.	0.00	112.
						IDLE (D)		10.	.01	80.
						IDLE (N)		10.	0.00	41.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
5232	75	FORD	PINT	140	1	HI SPEED	13.5	37.	.05	459.
						LO SPEED	6.5	43.	.04	546.
						IDLE (D)		23.	0.00	38.
						IDLE (N)		16.	0.00	31.
6233	76	HOND	CVCC	91	1	HI SPEED	10.5	8.	.14	807.
						LO SPEED	4.5	24.	.21	336.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		121.	1.20	44.
5234	75	FORD	GRAN	250	1	HI SPEED	15.5	4.	0.00	890.
						LO SPEED	7.5	12.	0.00	739.
						IDLE (D)		10.	0.00	146.
						IDLE (N)		6.	0.00	59.
5235	75	CHEV	CAMA	350	1	HI SPEED	18.0	25.	.08	524.
						LO SPEED	8.5	11.	.02	359.
						IDLE (D)		65.	.01	68.
						IDLE (N)		166.	.01	9.
5236	75	HOND	CVCC	91	1	HI SPEED	10.5	6.	.12	1253.
						LO SPEED	4.5	19.	.12	664.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		14.	.12	49.
5237	75	CHEV	MONT	350	1	HI SPEED	19.5	34.	.68	715.
						LO SPEED	9.5	50.	.46	405.
						IDLE (D)		122.	1.73	31.
						IDLE (N)		99.	1.10	28.
5238	75	MBNZ	450S	276	1	HI SPEED	18.0	16.	.03	399.
						LO SPEED	8.5	12.	.01	105.
						IDLE (D)		16.	0.00	58.
						IDLE (N)		9.	0.00	31.
6239	76	OLDS	STAW	350	1	HI SPEED	19.5	4.	.01	266.
						LO SPEED	9.5	7.	0.00	382.
						IDLE (D)		7.	0.00	152.
						IDLE (N)		6.	0.00	49.

APPENDIX E

LISTING OF FEDERAL THREE MODE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

NOTE: MINUS ZERO INDICATES DATA NOT COLLECTED (MANUAL TRANS)
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
5240	75	TOYO	CORO	97	1	HI SPEED	12.0	6.	.10	1403.
						LO SPEED	5.5	26.	.09	535.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		4.	0.00	40.
5241	75	TOYO	CELI	134	1,	HI SPEED	13.5	20.	.73	716.
						LO SPEED	6.0	25.	.92	106.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		21.	.35	16.
5242	75	FORD	PINT	140	1	HI SPEED	13.5	57.	1.10	828.
						LO SPEED	6.5	84.	.99	385.
						IDLE (D)		160.	3.30	37.
						IDLE (N)		90.	1.18	34.
5243	75	PLYM	GRNF	360	1	HI SPEED	19.5	29.	.02	2168.
						LO SPEED	9.5	27.	.88	206.
						IDLE (D)		263.	4.05	36.
						IDLE (N)		109.	1.57	34.
5244	75	VOLK	DASH	90	1	HI SPEED	12.0	31.	.23	1619.
						LO SPEED	5.5	26.	.03	1644.
						IDLE (D)		16.	0.00	192.
						IDLE (N)		34.	0.00	63.
7245	77	CHEV	MONT	350	1	HI SPEED	17.0	24.	.01	958.
						LO SPEED	9.5	28.	0.00	528.
						IDLE (D)		90.	0.00	66.
						IDLE (N)		108.	0.00	25.
5246	75	FORD	RANC	351	1	HI SPEED	19.5	38.	.07	1729.
						LO SPEED	9.5	38.	.04	455.
						IDLE (D)		45.	.06	56.
						IDLE (N)		30..	.05	36.
6247	76	MERC	COUG	351	1	HI SPEED	19.5	19.	.11	303.
						LO SPEED	9.5	27.	.05	106.
						IDLE (D)		115.	0.00	92.
						IDLE (N)		422.	0.00	53.

APPENDIX E

LISTING OF FEDERAL THREE MODE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

NOTE: MINUS ZERO INDICATES DATA NOT COLLECTED (MANUAL TRANS)
SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEH	YR	MAKE	MODEL	CID	SN	MODE	RLHP	HC,PPMHEX	CO,PCT	NO,PPM
5248	75	FIAT	131S	107	1	HI SPEED	13.5	180.	1.07	378.
						LO SPEED	6.0	134.	.76	154.
						IDLE (D)		-0.	-0.00	-0.
						IDLE (N)		699.	2.46	20.
7249	77	CHEV	CAMA	305	1	HI SPEED	15.5	12.	0.00	566.
						LO SPEED	8.5	13.	0.00	216.
						IDLE (D)		16.	0.00	64.
						IDLE (N)		13.	0.00	33.
5250	75	MERC	MONA	250	1	HI SPEED	15.5	31.	.01	639.
						LO SPEED	7.5	38.	0.00	944.
						IDLE (D)		58.	0.00	61.
						IDLE (N)		48.	0.00	49.

APPENDIX F

LISTING OF DRIVEABILITY EVALUATIONS ON INDIVIDUAL VEHICLES

The data form used is attached as a legend.

AESi

AUTOMOTIVE ENVIRONMENTAL SYSTEMS, INC.

DRIVEABILITY EVALUATION

Make _____ Model _____

Eng., Trans., Carb. _____

1	2	3	4	6	7	9
2		0		1	0 4	
	test seq.				Site	Veh. No.

		Yes	No	Number	Quality Code
A.	Constant Speed Phase				
	1. Stalls, pass-outs* upon part throttle acceleration to road speed	1	2(13)	(14)	
	2. Acceleration Quality				(15)
	3. Cruise Quality				(16)
	4. Slight acceleration response (passing)				(17)
	5. Idle quality at stop - w/air "on" (enter "9" if not equipped)				(18)
	w/air "off"				(19)
B.	Acceleration from stop phase				
	6. Quality of acceleration under 1/4 throttle				(20)
	7. Quality of acceleration under 1/2 throttle				(21)
	8. Quality of acceleration under 2/3 throttle				(22)
	9. Quality of acceleration under 3/4 throttle				(23)
C.	Re-start Phase				
	10. Cranking time to start after 10 min.			sec. (24-25)	
	11. Idle quality after re-start				(26)
D.	Cold start & idle phase (Dynamometer)				
	12. Initial cranking time			sec. (27-28)	
	13. Engine die-outs* after start	1	2(29)	(30)	
	14. Engine stalls after gear selection	1	2(31)	(32)	
	15. Hesitation, lag upon slight acceleration	1	2(33)		
	16. Idle quality				(34)
E.	Drive-away Phase (Dynamometer)				
	17. Stalls, pass-outs upon slight acceleration to road speed	1	2(35)	(36)	
	18. Acceleration quality				(37)
	19. Idle quality after 0.2 mile @ stop				(38)
	20. Stalls, pass-outs upon slight acceleration to road speed	1	2(39)	(40)	
	21. Acceleration quality				(41)
	22. Idle quality after 0.4 mile @ stop				(42)

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APPENDIX F

LISTING OF DRIVEABILITY EVALUATIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	CONSTANT SPEED PHASE							ACCEL PHASE				RESTART PHASE		COLD START PHASE (DYNAMOMETER)							DRIVE AWAY PHASE (DYNAMOMETER)						
						1	1A	2	3	4	5	5A	6	7	8	9	10	11	12	13	13A	14	14A	15	16	17	17A	18	19	20	20A	21	22
5001	75	DATS	280Z	168	1	2	0	5	5	5	5	5	5	5	5	5	4	5	8	2	0	2	0	2	5	2	0	5	5	2	0	5	5
5002	75	AMC	GREM	232	1	2	0	4	4	4	9	4	4	4	4	4	1	5	1	2	0	2	0	1	5	2	0	4	5	2	0	5	5
8003	78	PONT	SUNB	151	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9004	79	MERC	CAPR	140	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	1	1	5	5	2	0	5	5
8005	78	PONT	STAW	151	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	1	5	2	0	4	5	2	0	4	5
8006	78	PONT	SUNB	151	1	2	0	5	5	5	5	5	5	5	5	5	7	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9007	79	CHEV	CAMA	350	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9008	79	CHEV	STAW	350	1	2	0	5	5	5	5	5	5	5	5	5	1	5	4	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9009	79	CHEV	CAPR	350	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8010	78	FORD	PINT	140	1	2	0	5	5	5	9	5	5	5	5	5	1	5	2	2	0	2	0	2	4	1	1	5	5	2	0	5	5
9011	79	VOLV	264G	163	1	2	0	4	5	4	4	4	5	5	4	3	2	5	4	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9012	79	OLDS	DELT	350	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
7013	77	CHRY	CORD	360	1	1	1	4	4	4	9	4	4	4	4	4	1	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6014	76	BUIC	SKYL	231	1	2	0	5	5	5	4	4	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8015	78	FORD	FIES	98	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
5016	75	HOND	STAW	91	1	2	0	4	4	4	9	5	4	5	5	4	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8017	78	PONT	SUNB	151	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8018	78	PONT	SUNB	151	1	2	0	4	4	4	9	4	4	4	4	4	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6019	76	OLDS	CUTL	260	1	2	0	5	5	5	5	5	5	5	5	5	6	5	5	2	0	2	0	1	5	2	0	4	5	2	0	4	5
8020	78	PONT	SUNB	151	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
5021	75	VOLK	RABB	90	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8022	78	PONT	SUNB	151	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	1	5	2	0	5	5	2	0	5	5
8023	78	SAAB	99GL	121	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	1	4	2	0	4	5	2	0	5	5
8024	78	FORD	STAW	140	1	2	0	5	5	5	5	5	5	5	5	5	1	4	2	1	1	2	0	1	4	2	0	4	4	2	0	4	4
9025	79	FORD	PINT	140	1	2	0	3	4	3	9	4	3	3	3	3	1	5	1	2	0	2	0	1	5	2	0	4	5	2	0	5	5
8026	78	PONT	SUNB	151	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9027	79	CHEV	CAMA	305	1	2	0	5	5	5	5	5	5	5	5	5	1	3	1	2	0	2	0	1	4	2	0	4	4	2	0	4	4
9028	79	CHEV	CAMA	305	1	2	0	4	4	4	3	4	4	4	4	4	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8029	78	PONT	SUNB	151	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	1	5	2	0	4	5	2	0	4	5
8030	78	VOLV	264G	163	1	2	0	5	5	5	5	5	5	5	5	5	1	5	4	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8031	78	PONT	SUNB	151	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8032	78	PONT	SUNB	151	1	2	0	5	5	5	5	5	5	5	5	5	3	4	3	2	0	2	0	2	4	2	0	4	4	2	0	4	4
8033	78	PONT	SUNB	151	1	2	0	5	5	5	9	5	5	4	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
5034	75	FORD	GRAN	351	1	2	0	5	4	5	5	5	5	4	4	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8035	78	PONT	SUNB	151	1	2	0	5	5	5	5	5	5	5	5	5	3	4	1	2	0	2	0	2	4	2	0	4	4	2	0	4	4
8036	78	PONT	SUNB	151	1	2	0	5	5	5	5	5	5	5	5	5	1	5	3	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6037	76	PONT	GRNP	350	1	2	0	5	5	5	5	5	5	5	5	5	1	5	2	2	0	2	0	1	4	2	0	4	4	2	0	5	5
9038	79	FORD	THUN	351	1	2	0	5	5	5	5	5	5	5	5	5	2	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8039	78	PONT	SUNB	151	1	2	0	5	5	5	5	5	5	5	5	5	1	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6040	76	FORD	STAW	140	1	2	0	2	4	2	9	4	2	2	2	2	1	5	1	2	0	2	0	1	4	1	1	4	4	2	0	4	4

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APPENDIX F

LISTING OF DRIVEABILITY EVALUATIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

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VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	CONSTANT SPEED PHASE							ACCEL PHASE			RESTART PHASE			COLD START PHASE (DYNAMOMETER)							DRIVE AWAY PHASE (DYNAMOMETER)						
						1	1A	2	3	4	5	5A	6	7	8	9	10	11	12	13	13A	14	14A	15	16	17	17A	18	19	20	20A	21	22
8041	78	PONT	SUNB	151	1	2	0	3	4	3	4	5	4	4	3	3	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8042	78	FORD	PINT	140	1	2	0	4	5	5	9	5	5	5	4	4	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9043	79	FORD	GRAN	302	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8044	78	PONT	SUNB	151	1	2	0	5	5	4	5	5	4	5	5	4	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6045	76	FORD	GRAN	302	1	2	0	5	5	5	5	5	5	5	5	5	3	5	1	2	0	1	1	2	5	2	0	5	5	2	0	5	5
8046	78	FORD	STAW	140	1	2	0	5	5	5	9	5	5	5	5	5	3	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8047	78	VOLV	242G	130	1	2	0	5	5	5	5	5	5	5	5	5	1	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6048	76	BUIC	REGA	350	1	2	0	5	5	5	5	5	5	5	5	5	1	5	2	2	0	2	0	1	4	2	0	5	4	2	0	5	5
8049	78	PONT	SUNB	151	1	2	0	4	4	4	9	4	4	4	4	4	1	4	1	2	0	2	0	2	4	2	0	4	4	2	0	4	4
8050	78	PONT	SUNB	151	1	2	0	4	4	4	4	4	4	4	4	4	3	5	4	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9051	79	FORD	STAW	140	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9052	79	FORD	PINT	140	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9053	79	FORD	STAW	140	1	2	0	5	5	5	5	5	5	5	5	5	1	4	1	2	0	2	0	1	4	2	0	4	4	2	0	4	4
9054	79	FORD	PINT	140	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	1	5	2	0	5	5	2	0	5	5
9055	79	FORD	PINT	140	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9056	79	FORD	STAW	140	1	2	0	5	5	5	4	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9057	79	FORD	STAW	140	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9058	79	FORD	PINT	140	1	2	0	5	5	5	9	5	5	5	5	5	1	4	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9059	79	FORD	STAW	140	1	2	0	3	4	3	9	4	3	3	3	2	1	4	2	2	0	2	0	2	4	2	0	4	4	2	0	4	4
8060	78	PONT	SUNB	151	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	1	5	2	0	5	5	2	0	5	5
8061	78	PONT	SUNB	151	1	2	0	5	5	5	5	5	5	5	5	5	1	5	6	2	0	2	0	1	4	2	0	5	5	2	0	5	5
9062	79	DODG	MAGN	360	1	2	0	5	5	5	5	5	5	5	4	4	3	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					2	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
7063	77	PONT	GRNP	350	1	2	0	5	5	5	5	5	5	5	5	5	2	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8064	78	FORD	PINT	140	1	2	0	5	5	5	5	5	5	5	5	5	2	5	3	2	0	2	0	2	5	2	0	5	5	2	0	5	5
5065	75	FORD	STAW	140	1	2	0	5	5	5	9	5	5	5	5	5	1	4	1	2	0	2	0	2	4	2	0	5	4	2	0	5	4
7066	77	MERC	MONA	302	1	2	0	5	5	5	5	5	5	5	5	5	2	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
5067	75	FORD	PINT	140	1	1	1	4	5	5	9	4	5	5	5	5	1	5	1	1	2	2	0	1	4	2	0	4	4	2	0	4	4
8068	78	FORD	PINT	140	1	2	0	5	5	5	9	5	5	5	5	5	2	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8069	78	PONT	STAW	151	1	2	0	5	5	5	5	5	5	5	5	5	8	4	1	2	0	2	0	1	4	2	0	4	4	2	0	4	4
7070	77	OLDS	STAW	403	1	2	0	5	5	5	5	5	5	5	5	5	1	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9071	79	CADI	SEVI	350	1	2	0	5	5	5	5	5	5	5	5	5	2	5	1	2	0	2	0	2	5	2	0	4	5	2	0	4	5
9072	79	FORD	PINT	140	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9073	79	CHEV	NOVA	250	1	2	0	5	5	5	9	5	5	5	5	5	13	5	3	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8074	78	PONT	SUNB	151	1	2	0	4	4	4	4	4	4	4	4	4	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8075	78	FORD	PINT	140	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8076	78	PONT	STAW	151	1	2	0	5	5	4	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8077	78	FORD	STAW	140	1	2	0	5	5	5	9	5	5	5	5	5	1	5	4	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8078	78	FORD	PINT	140	1	2	0	5	5	5	9	5	5	5	5	5	1	5	3	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8079	78	PONT	SUNB	151	1	2	0	5	5	5	5	5	5	5	5	5	1	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8080	78	FORD	PINT	140	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	1	5	1	1	5	5	1	1	5	5

APPENDIX F

LISTING OF DRIVEABILITY EVALUATIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	CONSTANT SPEED PHASE							ACCEL PHASE				RESTART PHASE		COLD START PHASE (DYNAMOMETER)							DRIVE AWAY PHASE (DYNAMOMETER)							
						1	1A	2	3	4	5	5A	6	7	8	9	10	11	12	13	13A	14	14A	15	16	17	17A	18	19	20	20A	21	22
8081	78	PONT	SUNB	151	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8082	78	FORD	PINT	140	1	2	0	3	3	3	9	3	3	3	3	3	1	4	1	2	0	2	0	1	5	2	0	4	4	2	0	4	4
8083	78	FORD	PINT	140	1	2	0	4	4	4	9	4	4	4	4	4	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8084	78	PONT	SUNB	151	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8085	78	FORD	STAW	140	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8086	78	PONT	SUNB	151	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9087	79	VOLK	RABB	89	1	2	0	5	5	5	9	5	5	5	5	5	1	4	1	2	0	1	1	1	4	2	0	4	4	2	0	4	4
6088	76	FORD	TORI	351	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	4	5	2	0	5	5
8089	78	FORD	PINT	140	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	1	5	2	0	5	5	2	0	5	5
8090	78	PONT	SUNB	151	1	2	0	5	5	5	5	5	5	5	5	5	1	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8091	78	PONT	SUNB	151	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6092	76	CHEV	CHET	98	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8093	78	VOLV	264G	163	1	2	0	5	4	5	4	5	5	5	5	5	1	5	14	2	0	2	0	1	4	2	0	4	5	2	0	5	5
9094	79	PLYM	HORI	105	1	2	0	4	4	4	9	5	5	5	5	5	1	4	1	2	0	2	0	1	4	2	0	4	4	2	0	4	4
8095	78	PONT	SUNB	151	1	2	0	5	5	5	5	5	5	5	5	5	1	4	1	2	0	1	1	1	4	2	0	5	4	2	0	5	4
8096	78	SAAB	99EM	121	1	2	0	5	5	5	5	5	5	5	5	5	1	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
5097	75	TOYO	STAW	97	1	2	0	5	5	5	9	5	5	5	5	5	1	5	2	2	0	2	0	1	5	2	0	5	5	2	0	5	5
8098	78	FORD	PINT	140	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8099	78	FORD	PINT	140	1	2	0	5	5	5	9	5	5	5	5	5	1	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8100	78	FORD	STAW	140	1	2	0	5	5	5	9	5	5	5	5	5	2	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6101	76	FORD	ELIT	400	1	2	0	4	4	4	4	4	4	4	4	4	4	4	2	2	0	2	0	2	4	2	0	4	4	2	0	4	4
8102	78	FORD	STAW	140	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8103	78	VOLV	264G	163	1	2	0	4	5	4	4	4	4	5	5	5	1	5	1	2	0	2	0	1	4	2	0	4	5	2	0	5	5
8104	78	VOLV	264G	163	1	2	0	3	5	5	4	5	5	5	5	5	1	5	1	2	0	2	0	1	4	1	1	4	4	2	0	4	5
9105	79	FORD	PINT	140	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8106	78	VOLV	264G	163	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8107	78	PONT	SUNB	151	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8108	78	FORD	PINT	140	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8109	78	VOLV	264	163	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9110	79	VOLV	STAW	130	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	1	5	2	0	5	5	2	0	5	5
9111	79	VOLV	264G	163	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	1	1	2	5	2	0	5	5	2	0	5	5
9112	79	VOLV	STAW	130	1	2	0	4	5	4	5	5	5	5	4	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9113	79	VOLV	242	131	1	2	0	5	5	5	5	5	5	5	5	5	1	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9114	79	VOLV	244	130	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9115	79	VOLV	242	130	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	4	2	0	5	5	2	0	4	5
9116	79	VOLV	STAW	130	1	2	0	5	5	5	5	5	4	5	5	5	1	4	1	2	0	2	0	2	5	2	0	4	5	2	0	5	5
9117	79	VOLV	244	130	1	2	0	5	5	5	5	5	5	5	5	5	1	4	1	2	0	2	0	2	4	2	0	4	5	2	0	4	4
9118	79	VOLV	244	130	1	2	0	5	5	5	9	5	5	5	5	5	1	5	2	2	0	2	0	1	5	2	0	5	5	2	0	5	5
9119	79	VOLV	264G	163	1	2	0	5	5	5	5	5	5	5	5	5	1	4	3	2	0	2	0	1	4	2	0	4	4	2	0	4	4
9120	79	VOLV	264	163	1	2	0	5	5	5	5	5	5	5	5	5	1	4	1	2	0	2	0	2	4	2	0	5	4	2	0	5	4

APPENDIX F

LISTING OF DRIVEABILITY EVALUATIONS ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
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VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	CONSTANT SPEED PHASE							ACCEL PHASE				RESTART PHASE		COLD START PHASE (DYNAMOMETER)							DRIVE AWAY PHASE (DYNAMOMETER)							
						1	1A	2	3	4	5	5A	6	7	8	9	10	11	12	13	13A	14	14A	15	16	17	17A	18	19	20	20A	21	22
9121	79	FORD	PINT	140	1	2	0	5	4	5	5	5	3	4	4	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9122	79	FORD	MUST	140	1	2	0	5	5	5	9	5	5	5	5	5	1	4	1	2	0	2	0	1	4	2	0	4	4	2	0	5	4
9123	79	FORD	PINT	140	1	2	0	5	5	5	9	5	5	5	5	5	1	4	1	2	0	2	0	2	4	2	0	4	4	2	0	4	4
8124	78	PONT	SUNB	151	1	2	0	5	5	5	5	5	5	5	5	5	6	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9125	79	FORD	PINT	140	1	2	0	4	4	4	9	4	4	4	4	4	1	5	1	2	0	2	0	1	5	2	0	4	5	2	0	5	5
9126	79	FORD	STAW	140	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					3	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8127	78	FORD	PINT	140	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9128	79	VOLV	STAW	130	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6129	76	BUIC	REGA	350	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	4	5	2	0	5	5
6130	76	BUIC	SKYL	350	1	2	0	5	5	5	5	5	5	5	5	5	1	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9131	79	PONT	SUNB	231	1	2	0	5	5	5	5	5	5	5	5	5	1	4	1	2	0	2	0	2	4	2	0	4	4	2	0	4	4
9132	79	PONT	SUNB	305	1	2	0	5	5	5	5	5	5	5	5	5	1	4	1	2	0	2	0	2	4	2	0	4	4	2	0	4	4
9133	79	PONT	SUNB	231	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	1	1	5	5	2	0	5	5
9134	79	PONT	SUNB	231	1	2	0	5	5	5	5	5	5	4	5	5	1	4	4	2	0	2	0	1	4	2	0	4	4	2	0	4	4
9135	79	PONT	SUNB	231	1	2	0	5	5	5	9	5	5	5	5	5	1	4	1	2	0	2	0	1	4	2	0	4	4	2	0	4	4
9136	79	PONT	SUNB	151	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
9137	79	PONT	SUNB	231	1	2	0	5	5	5	4	4	5	5	4	5	1	4	5	2	0	2	0	2	4	2	0	4	4	2	0	4	4
8138	78	PONT	SUNB	151	1	2	0	4	4	4	3	4	4	4	4	4	1	5	8	2	0	2	0	1	4	2	0	4	4	2	0	3	4
8139	78	PONT	SUNB	151	1	2	0	5	5	5	9	5	5	5	5	5	1	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8140	78	VOLV	262C	163	1	2	0	5	5	5	5	5	5	5	5	5	1	4	4	2	0	2	0	1	4	2	0	4	4	2	0	5	5
9141	79	MERC	MARQ	351	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	4	4	2	0	4	4
8142	78	SAAB	99GL	121	1	2	0	5	5	5	5	5	5	5	5	5	1	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8143	78	FORD	PINT	140	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8144	78	FORD	STAW	140	1	2	0	4	5	5	9	5	5	5	5	5	1	5	1	2	0	1	1	1	5	2	0	5	5	2	0	5	5
9145	79	CADI	SEVI	350	1	2	0	5	5	5	5	5	5	5	5	5	1	5	11	2	0	2	0	2	5	2	0	4	5	2	0	5	5
5146	75	PONT	ASTR	140	1	2	0	4	5	4	9	5	5	5	5	5	1	5	1	2	0	2	0	1	4	1	1	4	5	2	0	5	5
8147	78	FORD	PINT	140	1	2	0	5	5	5	9	5	5	5	5	5	2	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
8148	78	VOLV	264G	163	1	2	0	5	5	5	5	5	5	5	5	5	1	5	4	2	0	2	0	1	5	2	0	5	5	2	0	5	5
8149	78	VOLV	264G	163	1	2	0	5	5	5	5	5	5	5	5	5	1	5	3	2	0	2	0	2	5	2	0	5	5	2	0	5	5
5150	75	OLDS	98	455	1	2	0	5	5	5	5	5	5	5	5	5	1	5	4	2	0	2	0	2	5	2	0	4	5	2	0	5	5
6151	76	CHEV	STAW	350	1	2	0	5	5	5	5	5	5	5	5	5	5	4	1	2	0	2	0	2	4	2	0	4	4	2	0	4	4
					2	2	0	5	5	5	4	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					3	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	1	4	2	0	4	5	2	0	4	5
6152	76	FORD	MUST	171	1	2	0	4	4	4	4	4	5	5	5	5	2	4	1	1	3	2	0	2	4	2	0	4	4	2	0	4	4
					4	2	0	4	4	4	3	4	4	4	4	4	2	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6153	76	PLYM	VOLA	318	1	2	0	4	5	4	4	4	4	4	4	4	2	4	2	2	0	2	0	2	4	2	0	4	4	2	0	4	4
					2	2	0	4	4	4	5	4	4	4	4	4	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					3	1	1	4	5	5	4	5	4	4	5	5	3	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					4	2	0	4	4	4	3	4	4	4	4	4	2	4	1	1	1	2	0	2	4	2	0	5	5	2	0	5	5

APPENDIX F

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						1	1A	2	3	4	5	5A	6	7	8	9	10	11	12	13	13A	14	14A	15	16	17	17A	18	19	20	20A	21	22
6154	76	HOND	STAW	91	1	2	0	3	4	3	9	4	5	5	5	5	10	5	7	1	1	2	0	1	2	2	0	4	4	2	0	4	5
					2	2	0	4	5	4	9	5	4	4	4	4	3	4	1	2	0	2	0	1	3	2	0	4	4	2	0	4	4
					3	2	0	4	4	4	9	4	4	4	4	4	6	4	6	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6155	76	FORD	PINT	140	1	2	0	4	4	4	3	4	4	4	4	4	4	3	1	2	0	2	0	1	3	2	0	3	3	2	0	3	3
					3	2	0	3	3	3	3	3	3	3	3	3	1	3	1	2	0	2	0	1	3	2	0	3	3	2	0	3	3
					4	2	0	4	5	4	3	4	4	4	4	4	1	3	1	2	0	2	0	1	3	2	0	4	4	2	0	4	4
7156	77	FORD	GRAN	302	1	2	0	4	4	4	3	4	4	4	4	4	1	4	2	2	0	2	0	2	4	2	0	4	4	2	0	4	4
5157	75	FIAT	X19	79	1	1	2	4	4	3	9	5	4	4	4	4	2	3	3	2	0	1	2	1	2	1	1	2	3	2	0	4	4
					2	2	0	4	4	4	9	4	4	4	4	4	2	4	1	2	0	2	0	1	3	1	1	4	4	2	0	4	4
					3	1	3	4	4	4	9	4	4	4	4	4	1	3	1	1	1	1	1	1	4	1	1	3	4	2	0	4	4
					4	2	0	4	4	4	9	4	4	5	5	5	2	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6158	76	OLDS	CUTL	350	1	1	2	4	4	4	3	4	4	4	4	4	1	4	1	2	0	2	0	1	4	2	0	3	3	2	0	3	3
					4	2	0	3	4	3	3	4	3	3	4	4	4	4	5	2	0	2	0	1	3	2	0	3	3	2	0	4	3
6159	76	FORD	ELIT	351	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	4	5	2	0	5	5
					2	2	0	4	4	5	4	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					3	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					4	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6160	76	PLYM	STAW	360	1	1	2	3	3	3	2	3	3	3	3	3	1	3	2	2	0	2	0	1	3	2	0	4	4	2	0	4	4
					2	2	0	3	3	3	2	3	3	3	3	3	1	4	1	2	0	2	0	2	4	2	0	4	4	2	0	4	4
					4	2	0	5	5	5	5	5	5	5	5	5	2	4	3	2	0	2	0	2	4	2	0	4	4	2	0	4	4
5161	75	FORD	STAW	400	1	2	0	5	5	5	5	5	4	4	5	5	1	4	1	2	0	2	0	2	4	2	0	4	4	2	0	4	4
					2	2	0	4	5	3	4	5	3	3	4	4	1	4	1	2	0	2	0	2	4	2	0	4	4	2	0	4	4
					3	2	0	5	5	5	5	5	5	5	5	5	2	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					4	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	4	5	2	0	5	5
6162	76	PLYM	VOLA	225	1	1	1	2	4	2	4	5	3	2	2	2	1	5	1	2	0	2	0	2	5	2	0	5	5	1	1	3	5
					2	2	0	3	5	3	5	5	4	3	4	4	3	4	1	2	0	2	0	1	4	2	0	4	4	2	0	4	4
					3	2	0	4	5	4	5	5	4	5	5	5	2	5	1	2	0	2	0	2	5	2	0	4	5	2	0	4	5
					4	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6163	76	MERC	STAW	460	1	2	0	3	4	4	4	5	3	2	3	3	4	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					2	2	0	5	5	5	5	5	5	5	5	5	2	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					3	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6164	76	AMC	GREM	232	1	2	0	4	4	4	9	4	5	4	4	3	1	4	1	2	0	2	0	2	4	2	0	4	4	2	0	4	4
					2	2	0	5	5	5	9	5	5	5	4	4	2	4	4	2	0	2	0	2	4	2	0	4	4	2	0	4	4
					3	2	0	4	4	4	9	4	4	4	4	4	2	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					4	2	0	5	5	4	9	5	5	5	4	4	1	4	2	2	0	2	0	2	3	2	0	5	5	2	0	5	5
6165	76	PLYM	ARRO	98	1	2	0	4	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	4	4	2	0	4	5
					2	2	0	5	5	4	9	5	5	4	4	4	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					3	2	0	4	5	5	9	5	4	4	4	4	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					4	2	0	4	4	4	9	4	4	4	4	4	1	5	1	1	1	1	1	1	4	2	0	4	4	2	0	4	5

APPENDIX F

LISTING OF DRIVEABILITY EVALUATIONS ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	CONSTANT SPEED PHASE						ACCEL PHASE				RESTART PHASE		COLD START PHASE (DYNAMOMETER)							DRIVE AWAY PHASE (DYNAMOMETER)							
						1	1A	2	3	4	5	5A	6	7	8	9	10	11	12	13	13A	14	14A	15	16	17	17A	18	19	20	20A	21	22
5166	75	BUIC	SKYH	231	1	2	0	4	4	4	3	3	3	3	4	4	1	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					2	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					3	2	0	4	4	4	4	4	4	4	4	4	2	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					4	2	0	5	5	5	4	5	5	5	5	5	2	5	2	2	0	2	0	1	5	2	0	5	5	2	5	5	5
7167	77	HOND	ACCO	97	1	2	0	5	5	5	5	5	5	5	5	5	2	5	3	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					4	2	0	5	5	5	5	5	5	5	5	5	2	5	1	2	0	2	0	2	5	2	2	5	5	2	0	5	5
5168	75	FORD	MUST	171	1	2	0	5	5	5	4	5	4	4	5	5	2	4	2	2	0	2	0	1	4	2	0	4	4	2	0	4	4
					3	2	0	5	5	5	5	5	5	5	5	5	5	5	2	2	0	2	0	2	5	2	0	4	5	2	0	4	5
					4	2	0	5	5	5	5	5	5	5	5	5	3	4	2	2	0	2	0	2	4	2	0	4	4	2	0	4	4
6169	76	PONT	VENT	350	1	1	1	4	5	4	3	5	4	4	4	4	3	4	3	1	1	1	1	1	4	2	0	4	4	2	0	4	4
					2	2	0	4	5	3	5	5	4	4	3	3	1	5	2	2	0	2	0	1	5	2	0	4	5	2	0	5	5
					4	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	4	5	2	0	4	5
6170	76	PLYM	STAW	318	1	2	0	4	4	3	4	4	4	3	3	4	1	4	1	2	0	2	0	2	4	2	0	4	4	2	0	4	4
					3	1	1	3	4	4	4	4	4	3	4	4	2	4	2	2	0	1	1	1	4	2	0	4	4	2	0	4	4
					4	2	0	5	5	5	5	5	5	5	5	5	1	5	1	1	1	1	1	1	4	1	1	3	4	1	1	3	4
6171	76	CHEV	MONT	350	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					2	2	0	5	5	5	5	5	5	5	5	5	1	4	2	2	0	1	1	1	4	2	0	4	4	2	0	4	4
					3	2	0	5	5	5	5	5	5	5	5	5	1	5	2	1	1	1	1	2	3	2	0	3	3	2	0	3	4
					4	2	0	4	5	5	5	5	5	5	5	5	1	5	1	1	1	1	1	1	2	1	1	2	4	2	0	5	5
6172	76	PLYM	FURY	318	1	2	0	4	5	4	4	4	4	4	4	4	1	5	2	2	0	1	1	2	4	2	0	5	5	2	0	5	5
					3	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					4	2	0	4	4	4	4	4	4	4	4	4	1	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6173	76	MERC	COME	250	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					2	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	4	2	0	4	4	2	0	5	5
					3	2	0	4	5	4	4	5	4	4	5	5	3	5	8	2	0	2	0	2	5	1	1	5	5	2	0	5	5
6174	76	FORD	GRAN	250	1	2	0	4	4	4	3	3	5	5	4	4	1	3	3	2	0	2	0	2	3	2	0	4	3	2	0	4	3
6175	76	BUIC	REGA	350	1	2	0	5	5	5	5	5	5	5	5	5	6	4	10	2	0	2	0	1	4	2	0	5	5	2	0	5	5
					4	2	0	5	5	5	5	5	5	5	5	5	4	5	3	2	0	2	0	2	5	2	0	4	5	2	0	4	5
5176	75	FORD	PINT	140	1	2	0	4	4	4	9	4	4	4	4	4	1	5	5	2	0	2	0	2	5	2	0	4	5	2	0	4	5
					2	2	0	5	5	5	9	5	5	5	5	5	11	5	1	2	0	2	0	2	5	2	0	4	5	2	0	4	5
					3	2	0	5	5	5	9	5	5	5	5	5	2	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					4	2	0	5	5	5	9	5	5	5	5	5	3	5	1	1	2	2	0	1	5	2	0	4	5	2	0	5	5
6177	76	PONT	VENT	250	1	2	0	5	5	5	5	5	5	5	5	5	8	5	3	2	0	2	0	1	4	2	0	4	5	2	0	5	5
5178	75	BUIC	SKYH	231	1	2	0	5	5	5	5	5	5	5	5	5	2	4	4	1	1	1	2	1	4	2	0	4	4	2	0	4	4
					2	2	0	5	5	5	5	5	5	5	5	5	3	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					3	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	4	4	2	0	4	5
					4	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
5179	75	VOLK	RABB	89	1	2	0	5	5	5,	9	5	5	5	5	5	2	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					2	2	0	5	5	5	9	5	5	5	5	5	2	5	1	1	2	1	1	1	4	2	0	5	5	2	0	5	5
					3	2	0	5	5	5	9	5	5	5	5	5	1	5	1	1	2	1	1	1	5	2	0	4	5	2	0	5	5
					4	2	0	4	4	4	9	4	4	4	4	4	2	5	1	2	0	2	0	1	4	2	0	4	5	2	0	5	5

APPENDIX F

LISTING OF DRIVEABILITY EVALUATIONS ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	CONSTANT SPEED PHASE						ACCEL PHASE				RESTART PHASE		COLD START PHASE (DYNAMOMETER)							DRIVE AWAY PHASE (DYNAMOMETER)							
						1	1A	2	3	4	5	5A	6	7	8	9.	10	11	12	13	13A	14	14A	15	16	17	17A	18	19	20	20A	21	22
6180	76	PONT	LEMA	350	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	4	5	2	0	4	5
					4	2	0	5	5	5	9	5	5	5	5	5	1	5	4	2	0	2	0	1	5	2	0	4	4	2	0	5	5
6181	76	AMC	GREM	258	1	2	0	5	5	5	5	5	5	5	5	5	2	5	3	2	0	2	0	1	4	2	0	4	4	2	0	5	5
5182	75	HOND	STAW	91	1	1	1	4	4	3	9	4	3	4	4	3	8	4	4	1	2	1	1	1	4	1	1	3	4	2	0	3	4
					2	2	0	5	5	5	9	5	5	5	5	5	4	5	1	2	0	2	0	1	4	1	2	4	5	2	0	5	5
					3	2	0	5	5	5	9	5	5	5	5	5	2	5	3	2	0	1	1	2	4	2	0	4	5	2	0	5	5
					4	2	0	5	5	5	9	5	5	5	5	5	2	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6183	76	PLYM	VOLA	318	1	2	0	4	5	4	5	5	4	4	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					2	2	0	5	5	5	5	5	5	5	5	5	1	5	6	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					3	2	0	5	5	5	5	5	5	5	5	5	2	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					4	2	0	5	5	5	4	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6184	76	TOYO	CORO	134	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6185	76	MERC	MONA	351	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					2	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					3	2	0	5	5	5	5	5	5	5	5	5	6	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					4	2	0	5	5	5	5	5	5	5	5	5	4	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6186	76	HOND	CVCC	91	1	2	0	5	5	5	5	5	5	5	5	5	6	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					2	2	0	5	5	5	5	5	5	5	5	5	5	5	4	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					4	2	0	5	5	5	5	5	5	5	5	5	5	5	4	2	0	2	0	1	5	1	1	5	5	2	0	5	5
6187	76	FORD	PINT	140	1	2	0	4	4	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					2	2	0	5	5	5	5	5	5	5	5	5	2	4	6	2	0	1	1	2	4	2	0	4	3	2	0	4	4
					3	2	0	4	4	4	2	2	4	4	4	4	1	4	4	2	0	2	0	2	5	2	5	4	4	2	0	4	4
					4	2	0	5	5	5	5	5	5	5	5	5	1	5	12	1	1	2	0	2	4	2	0	4	5	2	0	5	5
5188	75	FORD	TORI	351	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					2	2	0	5	5	5	5	5	4	5	5	5	1	5	2	2	0	2	0	2	4	2	0	4	4	2	0	4	4
					3	2	0	5	5	5	4	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					4	2	0	5	5	5	5	5	5	5	5	5	2	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6189	76	CHEV	CHET	97	1	2	0	5	5	5	9	5	5	5	5	5	1	5	1	2	0	2	0	1	5	2	0	5	5	2	0	5	5
					2	2	0	5	5	5	9	5	5	5	5	5	1	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
7190	77	CHEV	CAMA	250	1	2	0	5	5	5	5	5	5	5	5	5	5	5	3	2	0	2	0	2	4	2	0	4	4	2	0	4	4
					2	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	5	5	5	2	5	5	5
					4	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6191	76	HOND	CVCC	91	1	2	0	5	5	5	5	5	5	5	5	5	5	5	5	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6192	76	FORD	LTD	400	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	1	5	2	0	5	5	2	0	5	5
7193	77	PONT	VENT	350	1	2	0	5	5	5	5	5	5	5	5	5	1	5	2	2	0	2	0	1	5	2	0	4	5	2	0	4	5
5194	75	FORD	TORI	351	1	1	1	4	4	4	4	4	4	4	4	4	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					2	2	0	4	5	5	5	5	4	5	5	5	3	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					3	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	4	2	0	4	5	2	0	5	5
					4	2	0	5	5	5	5	5	5	5	5	5	2	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6195	76	BMW	2002	121	1	2	0	5	5	5	5	5	5	5	5	5	2	5	4	2	0	2	0	2	5	2	0	5	5	2	0	5	5
5196	75	HOND	CVCC	91	1	2	0	5	5	5	9	5	5	5	5	5	4	5	6	2	0	2	0	1	5	2	0	5	5	2	0	5	5
					2	2	0	5	5	4	9	4	4	4	4	4	5	5	4	1	2	2	0	1	4	2	0	5	4	2	0	5	4
					4	2	0	4	5	4	9	5	4	4	5	5	4	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5

APPENDIX F

LISTING OF DRIVEABILITY EVALUATIONS ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
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VEHICLE NUMBER	YR	MAKE	MODEL	CID	SN	CONSTANT SPEED PHASE							ACCEL PHASE				RESTART PHASE		COLD START PHASE (DYNAMOMETER)							DRIVE AWAY PHASE (DYNAMOMETER)							
						1	1A	2	3	4	5	5A	6	7	8	9	10	11	12	13	13A	14	14A	15	16	17	17A	18	19	20	20A	21	22
5197	75	HOND	CVCC	91	1	2	0	5	5	5	5	5	5	5	5	5	5	5	1	2	0	2	0	1	5	2	0	5	5	2	0	5	5
5198	75	HOND	CVCC	76	1	2	0	5	5	5	9	5	5	5	5	5	1	5	4	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					2	2	0	5	5	5	9	5	5	5	5	5	4	5	4	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					3	2	0	5	5	5	9	5	5	5	5	5	5	5	13	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					4	2	0	4	5	5	9	5	4	5	5	5	1	5	6	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6199	76	TOYO	CORO	97	1	2	0	5	5	5	9	4	5	5	5	5	2	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6200	76	VOLK	RABB	97	1	2	0	5	5	5	5	5	5	5	5	5	2	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
5201	75	MERC	MONA	302	1	2	0	5	5	5	4	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					2	2	0	5	5	5	5	5	5	5	5	5	1	5	2	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					3	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
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5202	75	DATS	280Z	168	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
5203	75	TOYO	CELI	134	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
5204	75	CHEV	MONZ	140	1	2	0	4	3	4	3	3	4	4	4	4	3	4	1	1	2	1	1	1	4	2	0	5	4	2	0	5	5
					2	2	0	5	4	4	5	5	5	5	5	5	1	5	4	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					3	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	4	2	0	4	4	2	0	4	4
					4	2	0	5	5	5	5	5	5	5	5	5	2	5	1	1	2	1	1	1	4	2	0	4	4	2	0	5	5
6205	76	FORD	PINT	140	1	2	0	4	4	4	4	4	4	4	4	4	1	5	1	2	0	2	0	2	5	2	0	4	5	2	0	4	5
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5206	75	DATS	B210	85	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	1	5	2	0	4	4	2	0	5	5
					2	2	0	5	5	5	5	5	5	5	5	5	2	5	6	1	2	2	0	2	5	2	0	5	5	2	0	5	5
					4	2	0	5	5	5	5	5	5	5	5	5	2	5	1	2	0	2	0	1	5	2	0	5	5	2	0	5	5
6207	76	OLDS	CUTL	350	1	2	0	4	4	5	4	5	5	5	5	5	3	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					3	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
7208	77	CHEV	STAW	350	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	1	5	2	0	4	5	2	0	5	5
					3	2	0	3	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	1	5	2	0	4	5	2	0	5	5
					4	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
5209	75	DATS	STAW	119	1	2	0	5	5	5	4	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
6210	76	MERC	COUG	351	1	2	0	5	5	5	5	5	5	5	5	5	1	5	2	2	0	2	0	1	5	2	0	4	5	2	0	5	5
					2	1	1	4	4	5	4	4	4	5	4	4	1	5	1	2	0	2	0	1	4	2	0	4	4	2	0	5	5
					3	2	0	4	5	5	5	5	5	5	5	5	1	4	1	2	0	2	0	1	4	2	0	4	4	2	0	5	5
					4	2	0	4	4	4	4	4	5	5	5	5	2	5	1	1	1	2	0	2	5	2	0	5	5	2	0	5	5
7211	77	OLDS	CUTL	350	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	1	5	2	0	4	5	2	0	4	5
7212	77	OLDS	CUTL	350	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	2	5	2	0	5	5	2	0	5	5
					3	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	1	5	2	0	5	5	2	0	5	5
					4	2	0	4	4	4	4	4	4	4	5	4	1	4	1	2	0	2	0	1	4	2	0	4	4	2	0	4	4
7213	77	OLDS	CUTL	350	1	2	0	5	5	5	5	5	5	5	5	5	1	5	5	2	0	2	0	1	5	2	0	4	5	2	0	4	5
5214	75	FORD	LTD	460	1	2	0	5	5	5	5	5	5	5	5	5	1	5	1	2	0	2	0	1	5	2	0	4	4	2	0	5	5
					3	2	0	5	5	5	5	5	5	5	5	5	2	3	4	2	0	2	0	1	4	2	0	3	3	2	0	3	4
					4	2	0	5	5	4	4	5	4	4	4	5	1	5	1	2	0	2	0	2	5	2	0	5	4	2	0	5	4

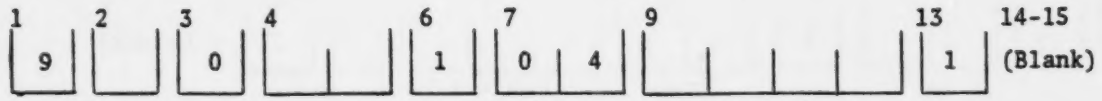
APPENDIX G

LISTING OF EMISSION COMPONENT INSPECTION INFORMATION ON INDIVIDUAL VEHICLES

The data forms used are attached as a legend.

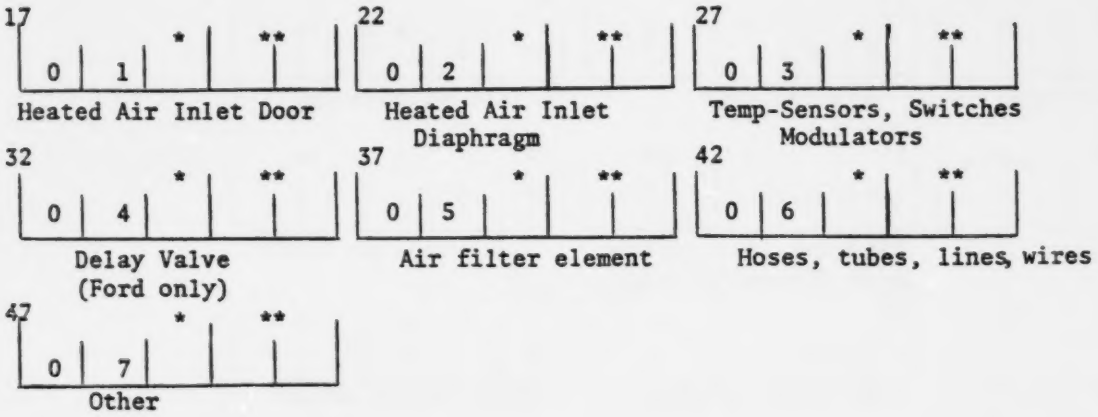
AESi
AUTOMOTIVE ENVIRONMENTAL SYSTEMS, INC.

INDUCTION SYSTEM (I & M)



Systems Evaluation Code

1-No malperformance
2-Some malperformance
3-Not applicable



*PERFORMANCE CODES

0-Not known if equipped/ no apparent malperformance
1-No malperformance (pass)
3-Not applicable
4-Maladjusted
5-Disabled
6-Defective
7-Inadequate or improper maint.
8-Improper part due to misbuild
9-Non-OEM part

**COMMENT CODES

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AESi

AUTOMOTIVE ENVIRONMENTAL SYSTEMS, INC.

CARBURETOR & FUEL SYSTEMS
FUEL SUBSYSTEM (I & M)

1	2	3	4	6	7	9	13	14-15
9		1		1	0 4		2	(Blank)
	Test Seq.				Site	Vehicle No.		

System Evaluation Code

16 _____

1-No malperformance
2-Some malperformance
3-N/A

17	22	27
0 1 * **	0 2 * **	0 3 * **
Carburetor Assy	Limiter Caps	Idle mixture adj

32	37	42
0 4 * **	0 5 * **	0 6 * **
Idle Speed	External idle enrichment (Chrysler only)	Idle stop solenoid

47	52	57
0 7 * **	0 8 * **	0 9 * **
Dashpot and other throttle modulators	Fuel filter element	Hose, lines, wires

62
1 0 * **
Other

*PERFORMANCE CODES

0-Not known if equipped/ No apparent malperformance
1-No malperformance (pass)
3-Not applicable
4-Maladjusted
5-Disabled
6-Defective
7-Inadequate or improper maint.
8-Improper part due to misbuild
9-Non-OEM part

**COMMENT CODES

AESi

CARBURETOR & FUEL SYSTEM
CHOKE SUBSYSTEM (I & M)

1	2	3	4	6	9	13	14-15
9		2		1	0 4	2	(Blank)
	Test Seq.				Site	Vehicle No.	

System Evaluation Code | 16 | 1-No malperformance
2-Some malperformance
3-N/A

17	*	**	22	*	**	27	*	**
1 1			1 2			1 3		
Choke adj			Vacuum diaphragm			Electrical Controls		

32	*	**	37	*	**	42	*	**
1 4			1 5			1 6		
Hose, lines, wires for choke, subsystem			Exhaust heat control valve assy			Actuating diaphragm		

47	*	**	52	*	**	57	*	**
1 7			1 8			1 9		
Coolant temp. sensing Vacuum switches			Check valve (GM only)			Hoses, lines, wires		

62	*	**
2 0		
Other - Choke or after combustion		

*PERFORMANCE CODES

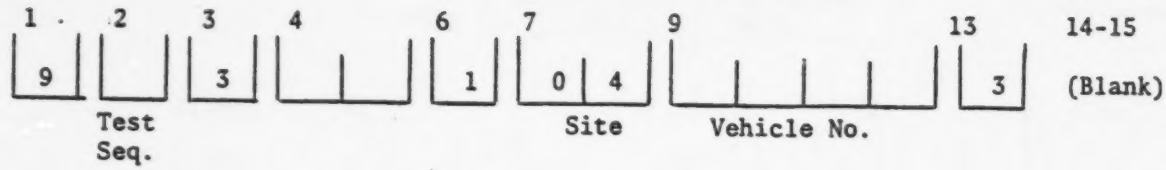
0-Not known if equipped/ No apparent malperformance
1-No malperformance
3-Not applicable
4-Maladjusted
5-Disabled
6-Defective
7-Inadequate or improper maint.
8-Improper part due to misbuild
9-Non-OEM part

**COMMENT CODES

AESi

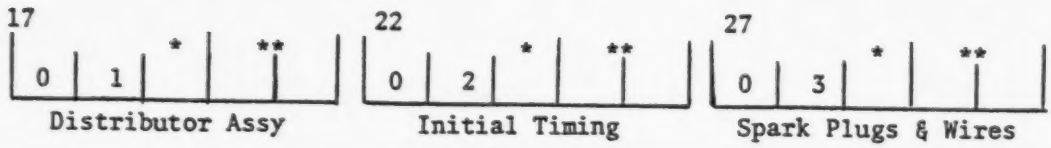
AUTOMOTIVE ENVIRONMENTAL SYSTEMS, INC.

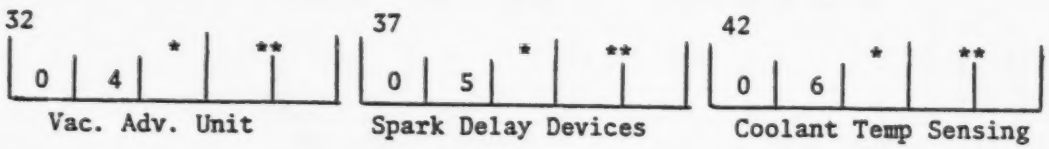
IGNITION SYSTEM (I & M)

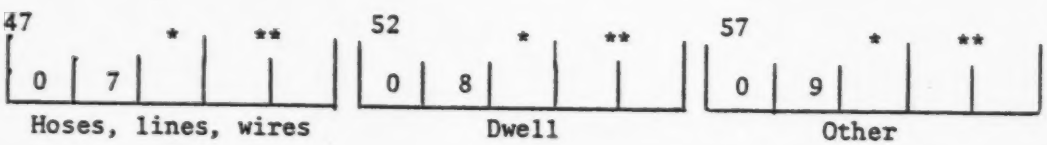


System Evaluation Code

1-No malperformance
2-Some malperformance
3-N/A







*PERFORMANCE CODES

0-Not known if equipped/ no apparent malperformance
1-No malperformance (pass)
3-Not applicable
4-Maladjusted
5-Disabled
6-Defective
7-Inadequate or improper maint.
8-Improper part due to misbuild
9-Non-OEM part

**COMMENT CODES

AESi

AUTOMOTIVE ENVIRONMENTAL SYSTEMS, INC.

EGR SYSTEM (I & M)

1	2	3	4	6	7	9	13	14-15
9		4		1	0 4		4	(Blank)
	Test Seq.				Site	Vehicle No.		

System Evaluation Code — 16 ____

1-No malperformance
2-Some malperformance
3-N/A

17	22	27
0 1 * **	0 2 * **	0 3 * **
EGR Valve Assy	EGR Valve Bpt	EGR Time delay solenoid

32	37	42
0 4 * **	0 5 * **	0 6 * **
Venturi Vac. Amplifier	High Speed Modulator	Vacuum Reservoir

47	52	57
0 7 * **	0 8 * **	0 9 * **
Coolant Temp Sensing Valve	Hoses, lines, wires	Other

*PERFORMANCE CODES

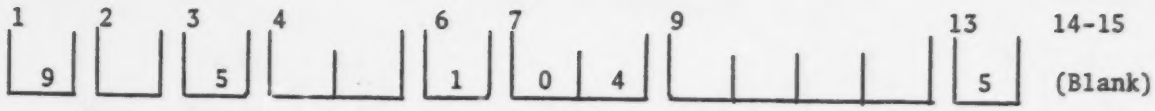
0-Not known if equipped/ No apparent malperformance
1-No malperformance (pass)
3-Not applicable
4-Maladjusted
5-Disabled
6-Defective
7-Inadequate or improper maint
8-Improper part due to misbuilt
9-Non-OEM part

**COMMENT CODES

AESi

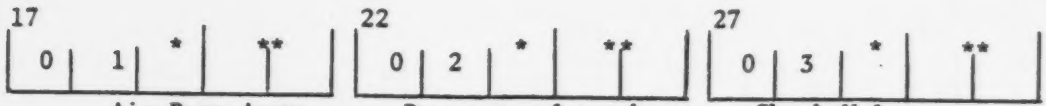
AUTOMOTIVE ENVIRONMENTAL SYSTEMS, INC.

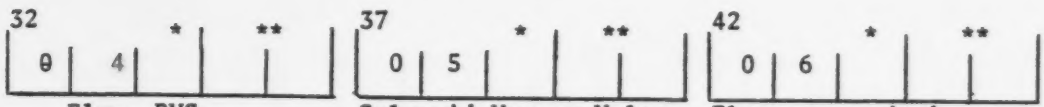
AIR PUMP SYSTEM (I & M)

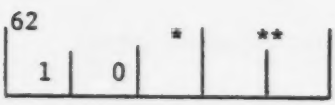


System Evaluation Code

1-No malperformance
2-Some malperformance
3-N/A







*PERFORMANCE CODES

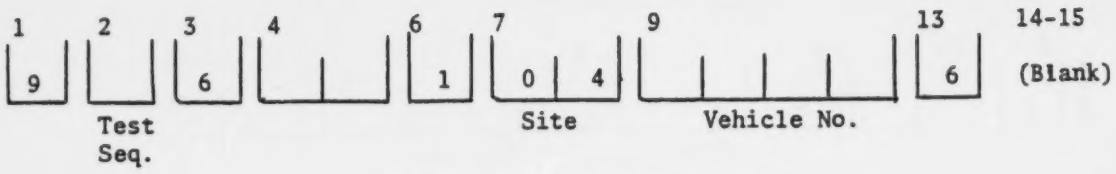
0-Not known if equipped/ No apparent malperformance
1-No malperformance (pass)
3-Not applicable
4-Maladjusted
5-Disabled
6-Defective
7-Inadequate or improper maint.
8-Improper part due to misbuild
9-Non-OEM part

**COMMENT CODES

AESi

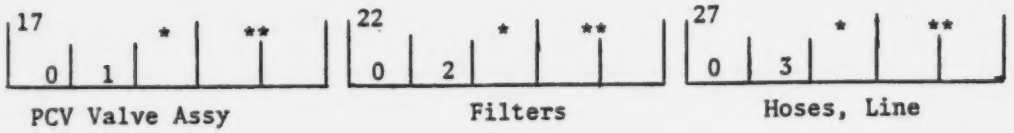
AUTOMOTIVE ENVIRONMENTAL SYSTEMS, INC.

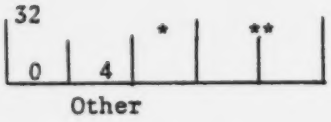
PCV SYSTEM (I & M)



System Evaluation Code

1 - No malperformance
2 - Some malperformance
3 - N/A





*PERFORMANCE CODES

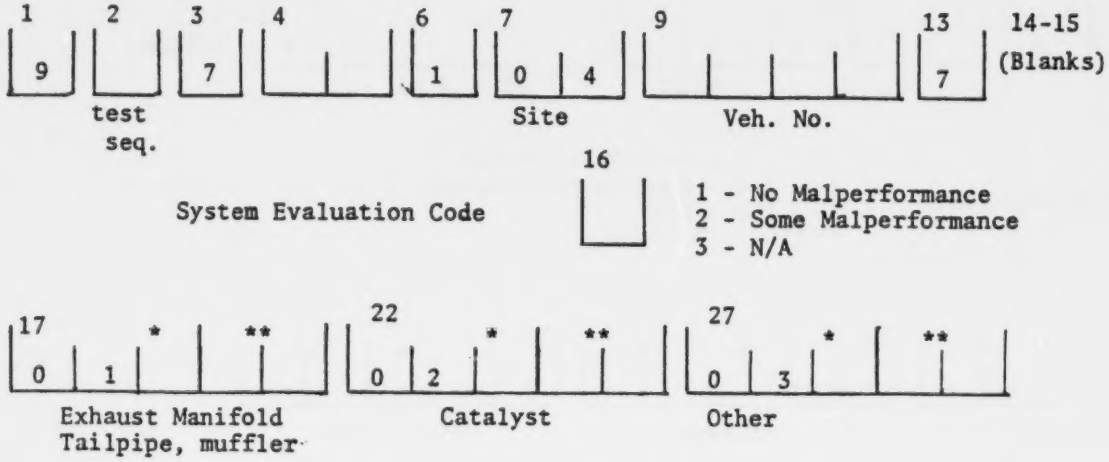
0-Not known if equipped/ No apparent malperformance
1-No malperformance (pass)
3-Not applicable
4-Maladjusted
5-Disabled
6-Defective
7-Inadequate or improper maint.
8-Improper part due to misbuild
9-Non-OEM part

**COMMENT CODES

AESi

AUTOMOTIVE ENVIRONMENTAL SYSTEMS, INC.

EXHAUST SYSTEM (I & M)



* Performance Codes

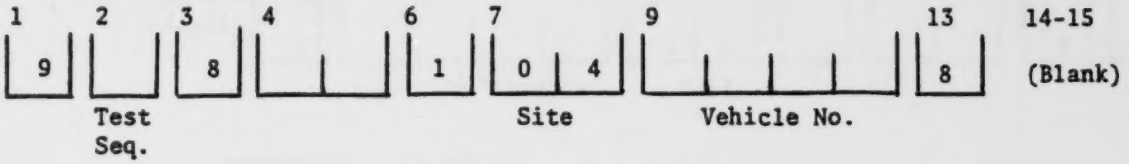
0 - Not known if equipped/No Apparent Malperformance
1 - No malperformance (pass)
3 - Not applicable
4 - Maladjusted
5 - Disabled
6 - Defective
7 - Inadequate or improper maintenance
8 - Improper part due to misbuild
9 - NON - OEM part

** Comment Codes

AESi

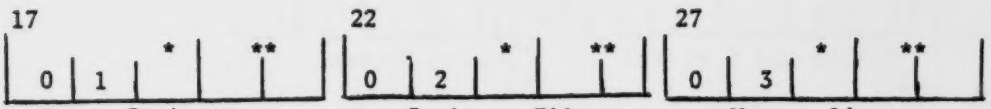
AUTOMOTIVE ENVIRONMENTAL SYSTEMS, INC.

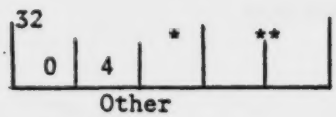
EVAPORATIVE CONTROL SYSTEM (I & M)



System Evaluation Code

1 - No malperformance
2 - Some malperformance
3 - N/A





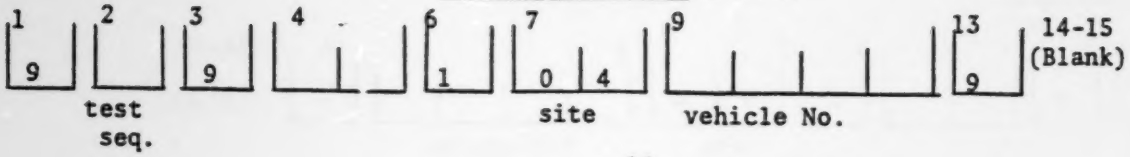
*PERFORMANCE CODES

0-Not known if equipped/ No apparent malperformance
1-No malperformance (pass)
3-Not applicable
4-Maladjusted
5-Disabled
6-Defective
7-Inadequate or improper maint.
8-Improper part due to misbuild
9-Non-OEM part

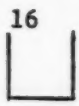
**COMMENT CODES

AESi

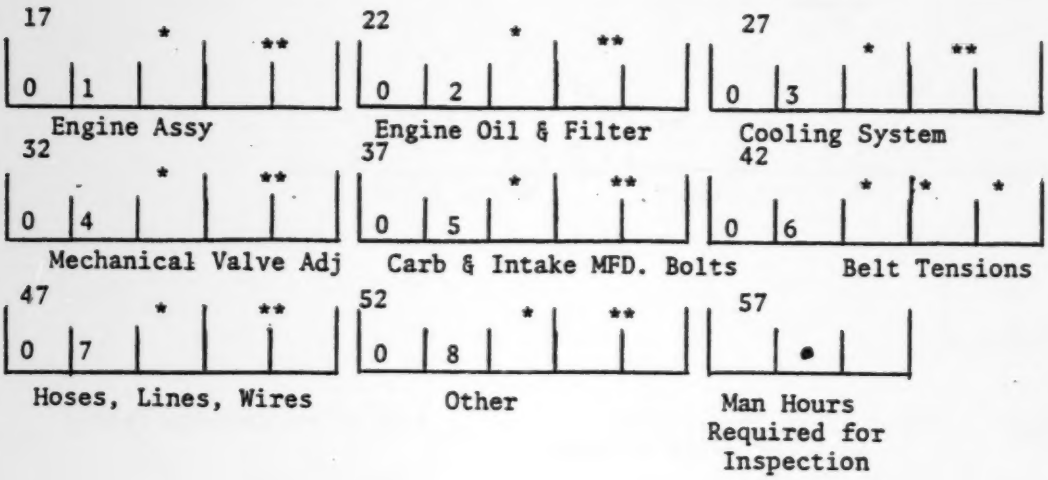
ENGINE ASSY
MISC. ACCESSORIES (I & M)



SYSTEM EVALUATION CODE



1 - No malperformance
2 - Some malperformance
3 - N/A



*Performance Code

0 - Not known if equipped/ No Apparent Malperformance
1 - No malperformance (pass)
3 - Not applicable
4 - Maladjusted
5 - Disabled
6 - Defective
7 - Inadequate or improper maintenance
8 - Improper part due to misbuild
9 - NON-OEM part

**Comment Codes

APPENDIX G

LISTING OF EMISSION COMPONENT INSPECTION INFORMATION ON INDIVIDUAL VEHICLES

LOS ANGELES

EVALUATION CODE: 1 = NO MALPERFORMANCE, 2 = SOME MALPERFORMANCE, 3 = NOT APPLICABLE

VEH	YR	MAKE	MODL	CID	SYSTEM EVALUATION										MAN HRS
					INDUC	FUEL	CHOKE	IGN	EGR	AIR	PCV	EXH	EVAP	MISC	
5001	75	DATS	280Z	168	1	2	1	2	1	3	1	1	1	1	1.6
5002	75	AMC	GREM	232	2	2	1	2	2	2	2	1	2	2	1.6
8003	78	PONT	SUNB	151	1	2	1	1	1	3	1	1	2	2	1.0
9004	79	MERC	CAPR	140	2	2	1	1	1	1	1	1	1	1	1.9
8005	78	PONT	STAW	151	1	1	2	2	1	3	1	1	2	2	1.5
8006	78	PONT	SUNB	151	2	2	2	1	1	3	1	1	1	1	1.5
9007	79	CHEV	CAMA	350	1	1	1	1	1	1	1	1	1	1	1.7
9008	79	CHEV	STAW	350	1	2	1	1	1	1	1	1	1	1	3.0
9009	79	CHEV	CAPR	350	1	1	1	1	1	1	1	1	1	1	1.0
8010	78	FORD	PINT	140	1	2	1	1	1	1	2	1	1	1	1.5
9011	79	VOLV	264G	163	1	2	1	1	3	3	1	1	1	1	1.5
9012	79	OLDS	DELT	350	1	1	1	1	1	1	1	1	1	1	1.8
7013	77	CHRY	CORD	360	2	2	1	1	1	2	1	1	1	2	1.8
6014	76	BUIC	SKYL	231	2	2	2	1	2	3	2	2	1	2	1.8
8015	78	FORD	FIES	98	2	2	1	1	1	2	2	1	1	2	2.5
5016	75	HOND	STAW	91	1	2	1	2	3	3	2	1	1	2	1.5
8017	78	PONT	SUNB	151	1	2	1	1	1	3	1	1	1	2	1.2
8018	78	PONT	SUNB	151	1	2	1	1	1	3	1	1	1	1	1.0
6019	76	OLDS	CUTL	260	2	2	1	2	1	3	2	1	1	2	0.0
8020	78	PONT	SUNB	151	2	2	1	2	1	3	1	1	1	2	1.2
5021	75	VOLK	RABB	90	2	2	1	1	2	1	2	1	1	1	2.0
8022	78	PONT	SUNB	151	2	2	1	1	1	3	1	1	1	1	1.0
8023	78	SAAB	99GL	121	2	2	1	2	3	3	1	1	1	2	2.0
8024	78	FORD	STAW	140	2	2	1	2	1	1	1	1	1	1	2.5
9025	79	FORD	PINT	140	1	1	2	1	1	1	1	1	1	1	1.0
8026	78	PONT	SUNB	151	1	1	1	1	1	3	1	1	1	1	1.5
9027	79	CHEV	CAMA	305	1	1	2	1	1	1	1	1	1	1	2.5
9028	79	CHEV	CAMA	305	1	1	2	1	1	1	1	1	1	1	2.0
8029	78	PONT	SUNB	151	2	2	1	1	1	3	1	1	2	2	1.0
8030	78	VOLV	264G	163	1	2	1	1	3	3	1	1	2	2	1.4
8031	78	PONT	SUNB	151	1	2	1	1	1	3	1	1	1	2	1.2
8032	78	PONT	SUNB	151	2	1	1	1	1	3	1	1	1	2	1.3
8033	78	PONT	SUNB	151	2	2	1	1	1	3	1	1	1	1	1.8
5034	75	FORD	GRAN	351	2	2	2	2	2	2	1	1	1	2	2.0
8035	78	PONT	SUNB	151	1	2	1	1	1	3	1	1	2	2	1.3
8036	78	PONT	SUNB	151	1	1	2	1	1	3	1	2	2	2	1.2
6037	76	PONT	GRNP	350	1	2	1	1	2	2	1	1	1	2	1.5
9038	79	FORD	THUN	351	1	1	1	1	1	1	1	1	1	1	1.3
8039	78	PONT	SUNB	151	1	2	2	2	2	3	1	1	2	2	2.5
6040	76	FORD	STAW	140	2	2	1	2	2	1	2	1	2	2	1.4
8041	78	PONT	SUNB	151	1	2	1	1	1	3	1	1	1	1	1.3
8042	78	FORD	PINT	140	2	2	1	1	1	1	1	1	1	1	1.5
9043	79	FORD	GRAN	302	1	1	1	1	2	1	1	1	1	1	2.4

APPENDIX G

LISTING OF EMISSION COMPONENT INSPECTION INFORMATION ON INDIVIDUAL VEHICLES

LOS ANGELES

EVALUATION CODE: 1 = NO MALPERFORMANCE, 2 = SOME MALPERFORMANCE, 3 = NOT APPLICABLE

VEH	YR	MAKE	MODL	CID	SYSTEM EVALUATION										MAN HRS
					INDUC	FUEL	CHOKE	IGN	EGR	AIR	PCV	EXH	EVAP	MISC	
8044	78	PONT	SUNB	151	1	2	2	1	1	3	1	2	1	2	1.3
6045	76	FORD	GRAN	302	2	2	1	1	2	2	1	1	1	1	1.5
8046	78	FORD	STAW	140	2	2	1	1	1	1	2	1	1	1	1.3
8047	78	VOLV	242G	130	1	2	1	1	3	3	1	1	1	1	1.3
6048	76	BUIC	REGA	350	1	2	2	1	2	3	1	1	1	2	1.5
8049	78	PONT	SUNB	151	1	1	1	1	1	3	1	1	2	2	1.0
8050	78	PONT	SUNB	151	1	1	1	2	1	3	1	2	1	1	1.5
9051	79	FORD	STAW	140	2	1	1	1	1	1	1	1	1	1	1.8
9052	79	FORD	PINT	140	2	2	1	1	1	1	1	1	1	1	1.4
9053	79	FORD	STAW	140	1	1	1	1	1	1	1	1	1	2	1.8
9054	79	FORD	PINT	140	1	1	1	1	1	1	1	1	1	2	1.0
9055	79	FORD	PINT	140	1	2	2	1	1	1	1	1	1	1	1.5
9056	79	FORD	STAW	140	1	2	1	1	1	1	1	1	1	2	1.3
9057	79	FORD	STAW	140	1	1	1	1	1	1	1	1	1	2	.9
9058	79	FORD	PINT	140	1	1	1	1	1	1	1	1	1	1	1.0
9059	79	FORD	STAW	140	1	2	1	2	1	1	1	1	1	2	1.5
8060	78	PONT	SUNB	151	1	2	1	1	2	3	1	1	1	1	1.0
8061	78	PONT	SUNB	151	1	2	2	1	1	3	2	1	2	2	1.5
9062	79	DODG	MAGN	360	2	2	1	2	2	1	1	1	1	1	2.5
7063	77	PONT	GRNP	350	1	2	2	2	2	2	1	1	1	1	1.8
8064	78	FORD	PINT	140	1	2	1	2	1	2	1	1	1	2	1.4
5065	75	FORD	STAW	140	2	2	1	1	2	1	2	1	1	2	1.5
7066	77	MERC	MONA	302	2	2	2	2	2	3	2	1	1	2	1.5
5067	75	FORD	PINT	140	2	2	1	2	2	2	2	1	1	2	1.8
8068	78	FORD	PINT	140	2	2	1	1	1	1	1	1	1	2	1.4
8069	78	PONT	STAW	151	2	1	1	1	1	3	1	1	1	1	1.2
7070	77	OLDS	STAW	403	2	2	2	2	1	1	2	1	1	2	1.5
9071	79	CADI	SEVI	350	1	2	1	1	1	3	1	1	1	1	2.0
9072	79	FORD	PINT	140	1	1	1	2	1	1	1	1	1	2	1.4
9073	79	CHEV	NOVA	250	1	1	2	1	1	1	1	1	1	1	2.0
8074	78	PONT	SUNB	151	2	1	1	2	1	3	1	2	1	1	1.5
8075	78	FORD	PINT	140	1	2	1	1	1	1	1	1	1	1	1.4
8076	78	PONT	STAW	151	1	2	2	1	1	3	1	1	1	1	1.6
8077	78	FORD	STAW	140	2	2	1	1	1	1	1	1	1	1	1.5
8078	78	FORD	PINT	140	1	2	1	1	1	1	1	1	1	1	1.3
8079	78	PONT	SUNB	151	2	2	2	1	1	3	1	1	1	1	1.6
8080	78	FORD	PINT	140	1	2	1	2	1	1	1	1	1	1	1.2
8081	78	PONT	SUNB	151	1	2	1	1	1	3	2	1	1	1	2.0
8082	78	FORD	PINT	140	2	2	2	2	1	2	2	1	1	2	1.8
8083	78	FORD	PINT	140	1	2	1	1	1	1	1	1	1	1	1.5
8084	78	PONT	SUNB	151	1	2	1	1	1	3	1	2	1	1	2.0
8085	78	FORD	STAW	140	1	2	1	1	1	1	1	1	1	1	1.4
8086	78	PONT	SUNB	151	2	2	1	1	1	3	1	1	2	1	1.6

APPENDIX G

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ON INDIVIDUAL VEHICLES

LOS ANGELES

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					SYSTEM EVALUATION										MAN
VEH	YR	MAKE	MODL	CID	INDUC	FUEL	CHOKE	IGN	EGR	AIR	PCV	EXH	EVAP	MISC	HRS
9087	79	VOLK	RABB	89	1	2	1	2	1	3	1	2	1	1	2.5
6088	76	FORD	TORI	351	2	2	2	1	1	1	2	1	1	2	1.5
8089	78	FORD	PINT	140	1	2	1	2	1	1	1	1	1	1	1.5
8090	78	PONT	SUNB	151	2	2	1	2	1	3	1	1	2	1	2.5
8091	78	PONT	SUNB	151	1	1	1	1	1	3	1	1	1	1	1.6
6092	76	CHEV	CHET	98	2	2	1	2	1	2	1	2	1	1	2.0
8093	78	VOLV	264G	163	1	2	1	1	3	3	1	1	1	1	1.9
9094	79	PLYM	HORI	105	1	1	1	1	1	1	1	1	1	2	2.5
8095	78	PONT	SUNB	151	1	2	1	1	1	3	1	1	2	1	1.8
8096	78	SAAB	99EM	121	1	2	1	1	3	3	1	1	1	1	1.5
5097	75	TOYO	STAW	97	2	2	1	2	3	1	1	1	1	1	2.0
8098	78	FORD	PINT	140	1	2	1	1	1	1	1	1	1	1	1.3
8099	78	FORD	PINT	140	2	2	1	1	1	1	2	1	1	1	1.5
8100	78	FORD	STAW	140	2	2	1	2	1	2	1	1	1	2	1.3
6101	76	FORD	ELIT	400	2	1	2	2	1	2	2	1	1	2	1.4
8102	78	FORD	STAW	140	1	2	2	1	1	1	1	1	1	1	1.3
8103	78	VOLV	264G	163	1	2	1	1	3	3	1	1	1	2	1.4
8104	78	VOLV	264G	163	1	2	1	1	3	3	1	1	1	2	1.3
9105	79	FORD	PINT	140	1	2	1	1	1	1	1	1	1	1	1.5
8106	78	VOLV	264G	163	1	2	1	1	3	3	1	1	1	2	1.7
8107	78	PONT	SUNB	151	2	2	1	1	1	3	1	1	2	1	1.3
8108	78	FORD	PINT	140	1	2	1	2	1	1	1	1	1	2	1.5
8109	78	VOLV	264	163	1	2	1	1	3	3	1	1	1	1	2.0
9110	79	VOLV	STAW	130	1	1	1	1	3	3	1	1	1	1	1.3
9111	79	VOLV	264G	163	1	1	1	1	3	3	1	1	1	1	3.0
9112	79	VOLV	STAW	130	1	1	1	1	3	3	1	1	1	1	2.0
9113	79	VOLV	242	131	1	1	1	1	3	3	1	1	1	1	2.3
9114	79	VOLV	244	130	1	2	1	1	3	3	1	1	1	1	1.5
9115	79	VOLV	242	130	1	1	1	1	3	3	1	1	1	1	1.4
9116	79	VOLV	STAW	130	1	1	1	1	3	3	1	1	1	1	1.3
9117	79	VOLV	244	130	1	1	1	1	3	3	1	1	1	1	1.0
9118	79	VOLV	244	130	1	2	1	1	3	3	1	1	1	2	1.8
9119	79	VOLV	264G	163	1	1	1	1	3	3	1	1	2	1	1.0
9120	79	VOLV	264	163	1	2	1	1	3	3	1	1	1	1	1.9
9121	79	FORD	PINT	140	1	1	1	1	1	1	1	1	1	1	1.5
9122	79	FORD	MUST	140	1	1	1	1	1	1	1	1	1	1	2.5
9123	79	FORD	PINT	140	1	1	1	1	1	1	1	1	1	1	1.4
8124	78	PONT	SUNB	151	2	2	1	1	1	3	1	1	1	2	1.0
9125	79	FORD	PINT	140	1	1	1	1	1	1	1	1	1	2	1.8
9126	79	FORD	STAW	140	1	2	1	1	1	1	1	1	1	2	1.3
8127	78	FORD	PINT	140	2	2	1	1	1	1	1	1	1	1	1.0
9128	79	VOLV	STAW	130	1	1	1	1	3	3	1	1	1	1	1.0
6129	76	BUIC	REGA	350	2	2	2	1	1	3	2	1	1	2	2.0
6130	76	BUIC	SKYL	350	1	1	2	2	2	3	1	1	1	2	2.0

APPENDIX G

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VEH	YR	MAKE	MODL	CID	SYSTEM EVALUATION										MAN HRS
					INDUC	FUEL	CHOKE	IGN	EGR	AIR	PCV	EXH	EVAP	MISC	
9131	79	PONT	SUNB	231	1	1	1	1	1	1	1	1	1	1	1.7
9132	79	PONT	SUNB	305	1	1	1	1	1	1	2	1	1	1	1.6
9133	79	PONT	SUNB	231	1	2	1	2	1	1	1	1	1	2	2.0
9134	79	PONT	SUNB	231	1	1	1	2	1	1	1	2	1	1	1.3
9135	79	PONT	SUNB	231	1	1	1	1	1	1	1	1	1	1	1.9
9136	79	PONT	SUNB	151	1	1	1	1	1	3	1	1	1	2	1.0
9137	79	PONT	SUNB	231	1	1	1	1	1	1	1	1	1	1	1.4
8138	78	PONT	SUNB	151	1	2	1	1	1	3	1	1	2	1	1.0
8139	78	PONT	SUNB	151	1	2	1	1	2	3	2	1	1	1	1.4
8140	78	VOLV	262C	163	1	2	1	2	3	3	1	1	1	2	1.4
9141	79	MERC	MARQ	351	1	1	1	1	1	1	1	1	1	1	3.0
8142	78	SAAB	99GL	121	1	2	1	1	3	3	1	1	1	2	1.3
8143	78	FORD	PINT	140	1	2	1	1	1	1	1	1	1	1	1.4
8144	78	FORD	STAW	140	1	1	2	1	1	2	1	1	1	2	1.5
9145	79	CADI	SEVI	350	1	1	1	1	1	3	1	1	1	1	1.8
5146	75	PONT	ASTR	140	1	2	2	1	2	1	1	1	1	2	1.5
8147	78	FORD	PINT	140	1	2	1	2	1	2	1	1	1	2	1.3
8148	78	VOLV	264G	163	1	2	1	1	3	3	1	1	1	2	1.8
8149	78	VOLV	264G	163	1	2	1	2	3	3	1	1	1	1	1.5
5150	75	OLDS	98	455	2	2	1	2	1	3	1	1	1	1	1.5
6151	76	CHEV	STAW	350	2	2	1	2	1	2	2	1	1	2	3.5
6152	76	FORD	MUST	171	2	2	2	2	1	2	2	1	1	2	4.0
6153	76	PLYM	VOLA	318	2	2	1	2	2	1	1	1	2	1	4.3
6154	76	HOND	STAW	91	2	2	1	2	3	3	1	1	1	2	5.0
6155	76	FORD	PINT	140	2	2	2	2	1	2	2	1	1	2	4.0
7156	77	FORD	GRAN	302	1	1	1	2	1	1	2	1	1	1	3.0
5157	75	FIAT	X19	79	2	2	2	2	3	2	1	1	1	2	4.0
6158	76	OLDS	CUTL	350	2	2	2	2	1	3	2	1	1	2	3.5
6159	76	FORD	ELIT	351	2	2	1	2	1	1	2	1	1	2	3.0
6160	76	PLYM	STAW	360	2	2	1	2	1	1	1	1	1	1	2.5
5161	75	FORD	STAW	400	1	2	1	2	2	2	2	1	2	2	2.5
6162	76	PLYM	VOLA	225	2	2	1	2	2	1	1	1	1	1	3.0
6163	76	MERC	STAW	460	2	2	1	1	2	1	2	1	1	1	2.0
6164	76	AMC	GREM	232	1	2	2	2	2	2	2	1	1	2	2.4
6165	76	PLYM	ARRO	98	2	2	1	2	2	1	2	1	1	2	2.2
5166	75	BUIC	SKYH	231	1	2	1	2	2	3	1	1	1	1	2.0
7167	77	HOND	ACCO	97	1	1	1	2	3	3	1	1	1	2	2.0
5168	75	FORD	MUST	171	2	2	2	1	1	1	2	1	1	2	2.0
6169	76	PONT	VENT	350	2	2	1	1	1	3	2	1	1	1	1.5
6170	76	PLYM	STAW	318	2	2	1	1	1	2	2	1	1	1	1.8
6171	76	CHEV	MONT	350	2	2	2	2	2	1	2	1	1	2	1.8
6172	76	PLYM	FURY	318	2	2	1	1	2	1	2	1	1	1	2.0
6173	76	MERC	COME	250	2	2	2	1	1	1	2	1	1	1	1.8
6174	76	FORD	GRAN	250	2	2	1	2	2	2	2	1	1	1	1.8

APPENDIX G

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					SYSTEM EVALUATION									MAN
VEH	YR	MAKE	MODL	CID	INDUC	FUEL	CHOKE	IGN	EGR	AIR	PCV	EXH	EVAP	MISC	HRS
6175	76	BUIC	REGA	350	2	1	1	1	1	1	2	1	1	2	2.0
5176	75	FORD	PINT	140	2	2	2	2	2	2	2	1	1	2	2.5
6177	76	PONT	VENT	250	2	2	1	1	2	2	2	1	1	2	2.0
5178	75	BUIC	SKYH	231	1	1	2	1	1	3	1	2	1	2	2.0
5179	75	VOLK	RABB	89	2	2	1	2	2	1	2	2	1	2	2.4
6180	76	PONT	LEMA	350	1	2	2	1	2	1	2	1	1	1	2.0
6181	76	AMC	GREM	258	2	2	2	2	2	2	2	1	1	1	3.0
5182	75	HOND	STAW	91	2	2	1	2	3	3	2	1	1	2	2.0
6183	76	PLYM	VOLA	318	2	2	2	1	2	1	2	1	1	1	1.9
6184	76	TOYO	CORO	134	1	2	1	1	1	2	1	1	1	1	2.0
6185	76	MERC	MONA	351	2	2	1	2	1	2	2	1	2	1	2.0
6186	76	HOND	CVCC	91	2	1	1	2	3	3	1	1	1	1	2.3
6187	76	FORD	PINT	140	2	2	1	2	1	1	2	1	1	2	2.4
5188	75	FORD	TORI	351	2	2	2	1	1	1	2	1	1	2	1.8
6189	76	CHEV	CHET	97	2	2	1	1	2	1	1	1	1	1	1.8
7190	77	CHEV	CAMA	250	2	1	1	1	1	1	2	1	1	2	1.5
6191	76	HOND	CVCC	91	2	2	1	2	3	3	1	1	1	1	1.8
6192	76	FORD	LTD	400	2	2	2	1	1	1	2	1	1	2	1.5
7193	77	PONT	VENT	350	1	1	1	2	2	1	1	1	1	1	2.0
5194	75	FORD	TORI	351	1	2	2	1	1	1	1	1	1	2	1.8
6195	76	BMW	2002	121	2	1	1	2	1	1	1	1	1	2	3.0
5196	75	HOND	CVCC	91	1	2	1	2	3	3	1	1	1	2	2.0
5197	75	HOND	CVCC	91	1	2	1	2	3	3	1	1	1	1	1.8
5198	75	HOND	CVCC	76	2	1	1	2	3	1	2	1	1	2	2.0
6199	76	TOYO	CORO	97	2	2	1	2	3	1	1	1	1	2	2.3
6200	76	VOLK	RABB	97	2	2	1	2	2	1	1	1	1	2	2.0
5201	75	MERC	MONA	302	2	2	1	2	2	1	2	1	1	1	2.0
5202	75	DATS	280Z	168	1	2	3	1	1	3	1	1	1	2	3.0
5203	75	TOYO	CELI	134	2	1	1	1	1	1	1	1	1	2	1.8
5204	75	CHEV	MONZ	140	2	2	2	1	1	1	1	1	1	2	2.2
6205	76	FORD	PINT	140	2	2	1	2	1	1	2	1	1	1	2.6
5206	75	DATS	B210	85	2	2	1	2	1	1	2	1	1	2	2.4
6207	76	OLDS	CUTL	350	2	2	1	2	1	3	1	1	1	1	2.2
7208	77	CHEV	STAW	350	2	2	1	1	1	1	1	1	1	1	1.7
5209	75	DATS	STAW	119	1	2	1	2	1	2	1	1	1	2	3.0
6210	76	MERC	COUG	351	2	2	2	2	1	1	1	1	1	2	2.1
7211	77	OLDS	CUTL	350	2	2	1	1	1	1	1	1	1	2	2.0
7212	77	OLDS	CUTL	350	2	2	1	1	1	1	1	1	1	1	1.9
7213	77	OLDS	CUTL	350	2	2	1	2	2	1	2	1	1	2	2.7
5214	75	FORD	LTD	460	1	2	1	1	1	1	1	1	1	1	2.2
6215	76	MERC	COUG	351	2	2	1	2	1	1	2	1	1	1	2.0
6216	76	FORD	MUST	171	2	2	1	2	2	2	2	1	1	1	2.0
6217	76	CADI	DEVI	500	1	1	1	2	1	1	1	1	1	1	1.9

APPENDIX G

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					SYSTEM EVALUATION										MAN
VEH	YR	MAKE	MODL	CID	INDUC	FUEL	CHOKE	IGN	EGR	AIR	PCV	EXH	EVAP	MISC	HRS
5218	75	CHEV	CAPR	400	2	2	1	2	1	2	2	1	1	2	2.0
5219	75	FORD	PINT	140	2	2	1	1	1	1	2	1	1	2	1.2
5220	75	FORD	ELIT	351	1	2	1	1	2	1	1	1	1	1	2.0
5221	75	FORD	PINT	140	2	2	1	2	1	2	1	1	1	1	2.0
6222	76	MERC	STAW	351	2	2	2	2	1	2	2	1	1	2	1.8
5223	75	CHEV	STAW	350	2	2	2	2	2	1	1	1	1	2	1.8
7224	77	CHEV	CAMA	305	2	2	1	1	1	3	2	1	1	1	1.9
5225	75	CHEV	MONZ	140	2	2	2	2	2	1	2	1	1	1	2.2
6226	76	HOND	STAW	91	2	1	1	2	3	3	1	1	1	2	1.5
6227	76	LINC	CONT	460	2	2	1	1	1	1	2	1	1	2	2.2
5228	75	PONT	GRNV	400	2	2	1	1	2	1	1	1	1	2	1.6
5229	75	FORD	PINT	171	2	2	1	1	2	1	2	1	1	1	1.5
6230	76	BUIC	REGA	350	1	2	1	1	1	3	2	1	1	1	1.4
5231	75	CADI	COUP	500	1	2	2	2	1	2	1	1	1	2	2.0
5232	75	FORD	PINT	140	2	1	2	1	1	2	2	1	1	1	1.5
6233	76	HOND	CVCC	91	2	1	2	2	3	3	1	1	1	2	1.5
5234	75	FORD	GRAN	250	2	2	1	2	2	1	2	1	1	2	2.5
5235	75	CHEV	CAMA	350	1	2	1	1	2	2	1	1	1	2	3.0
5236	75	HOND	CVCC	91	2	2	1	2	3	3	2	1	1	2	1.5
5237	75	CHEV	MONT	350	1	2	2	1	2	2	2	1	1	2	1.9
5238	75	MBNZ	450S	276	2	1	1	1	1	1	1	1	1	1	2.2
6239	76	OLDS	STAW	350	2	2	1	2	1	3	1	1	1	2	1.5
5240	75	TOYO	CORO	97	2	2	1	2	3	1	1	1	1	2	2.0
5241	75	TOYO	CELI	134	1	2	1	2	2	1	1	2	1	1	2.0
5242	75	FORD	PINT	140	2	2	1	2	2	1	2	1	1	1	1.8
5243	75	PLYM	GRNF	360	2	2	1	2	2	1	2	1	1	2	2.0
5244	75	VOLK	DASH	90	2	1	1	2	2	2	1	1	1	2	2.9
7245	77	CHEV	MONT	350	2	1	1	1	2	1	2	1	1	1	1.6
5246	75	FORD	RANC	351	2	2	2	1	2	1	2	1	1	1	1.6
6247	76	MERC	COUG	351	2	2	2	1	1	1	2	1	1	2	1.8
5248	75	FIAT	131S	107	2	2	1	2	2	1	1	1	1	1	2.0
7249	77	CHEV	CAMA	305	1	2	1	1	2	2	1	1	1	2	1.4
5250	75	MERC	MONA	250	2	2	1	2	1	1	2	2	1	2	1.4

APPENDIX H

LISTING OF KEY MODE EMISSIONS ON INDIVIDUAL VEHICLES

APPENDIX H

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ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
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VEH	YR	MAKE	MODEL	CID	SN	MODE	IHP	HC,PPMHEX	CO,PCT	NO,PPM
8005	78	PONT	STAW	151	1	HI SPEED	15.0	3.	.01	49.
						LO SPEED		1.	.02	69.
						IDLE		25.	.09	2.
8006	78	PONT	SUNB	151	1	HI SPEED	15.0	195.	4.64	230.
						LO SPEED		177.	4.07	87.
						IDLE		521.	8.54	7.
9007	79	CHEV	CAMA	350	1	HI SPEED	24.0	4.	.01	304.
						LO SPEED		4.	.01	112.
						IDLE		3.	0.00	72.
9008	79	CHEV	STAW	350	1	HI SPEED	30.0	2.	0.00	326.
						LO SPEED		0.	0.00	204.
						IDLE		1.	0.00	300.
9009	79	CHEV	CAPR	350	1	HI SPEED	24.0	7.	0.00	291.
						LO SPEED		2.	0.00	130.
						IDLE		3.	0.00	137.
9012	79	OLDS	DELT	350	1	HI SPEED	24.0	13.	0.00	767.
						LO SPEED		5.	0.00	225.
						IDLE		4.	0.00	50.
9043	79	FORD	GRAN	302	1	HI SPEED	24.0	20.	0.00	807.
						LO SPEED		12.	0.00	87.
						IDLE		10.	0.00	109.
9051	79	FORD	STAW	140	1	HI SPEED	15.0	2.	0.00	120.
						LO SPEED		3.	.01	158.
						IDLE		16.	0.00	23.
9052	79	FORD	PINT	140	1	HI SPEED	15.0	4.	.01	148.
						LO SPEED		4.	.01	50.
						IDLE		23.	0.00	16.
9053	79	FORD	STAW	140	1	HI SPEED	15.0	4.	0.00	187.
						LO SPEED		2.	0.00	128.
						IDLE		3.	0.00	20.
9054	79	FORD	PINT	140	1	HI SPEED	15.0	3.	0.00	66.
						LO SPEED		2.	0.00	31.
						IDLE		23.	0.00	13.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	IHP	HC,PPMHEX	CO,PCT	NO,PPM
9073	79	CHEV	NOVA	250	1	HI SPEED	24.0	7.	0.00	309.
						LO SPEED		3.	0.00	207.
						IDLE		4.	0.00	171.
8076	78	PONT	STAW	151	1	HI SPEED	15.0	38.	.41	31.
						LO SPEED		32.	.43	6.
						IDLE		48.	.35	4.
8091	78	PONT	SUNB	151	1	HI SPEED	15.0	4.	.03	131.
						LO SPEED		0.	.01	190.
						IDLE		1.	.01	8.
8095	78	PONT	SUNB	151	1	HI SPEED	15.0	280.	4.47	29.
						LO SPEED		293.	4.05	10.
						IDLE		2178.	3.62	5.
9111	79	VOLV	264G	163	1	HI SPEED	24.0	1.	.03	30.
						LO SPEED		0.	.01	72.
						IDLE		4.	.06	2.
9112	79	VOLV	STAW	130	1	HI SPEED	24.0	21.	.04	9.
						LO SPEED		30.	.20	6.
						IDLE		24.	.17	0.
9113	79	VOLV	242	131	1	HI SPEED	15.0	76.	.60	4.
						LO SPEED		43.	.68	1.
						IDLE		121.	2.90	5.
9114	79	VOLV	244	130	1	HI SPEED	24.0	7.	.02	29.
						LO SPEED		12.	.12	9.
						IDLE		6.	.08	3.
9121	79	FORD	PINT	140	1	HI SPEED	15.0	0.	0.00	67.
						LO SPEED		0.	0.00	69.
						IDLE		12.	.05	20.
9132	79	PONT	SUNB	305	1	HI SPEED	15.0	7.	0.00	140.
						LO SPEED		8.	0.00	149.
						IDLE		4.	0.00	22.
9141	79	MERC	MARQ	351	1	HI SPEED	24.0	5.	0.00	181.
						LO SPEED		3.	0.00	175.
						IDLE		2.	0.00	37.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	IHP	HC,PPMHEX	CO,PCT	NO,PPM
5179	75	VOLK	RABB	89	1	HI SPEED	15.0	65.	3.96	214.
						LO SPEED		10.	.06	188.
						IDLE		9.	0.00	50.
5179	75	VOLK	RABB	89	2	HI SPEED	15.0	29.	2.74	152.
						LO SPEED		11.	.15	128.
						IDLE		18.	0.00	49.
5179	75	VOLK	RABB	89	4	HI SPEED	15.0	92.	1.92	281.
						LO SPEED		51.	.13	391.
						IDLE		29.	0.00	55.
6181	76	AMC	GREM	258	1	HI SPEED	15.0	149.	3.50	490.
						LO SPEED		209.	5.88	113.
						IDLE		706.	10.63	8.
5182	75	HOND	STAW	91	1	HI SPEED	15.0	0.	0.00	500.
						LO SPEED		0.	0.00	444.
						IDLE		68.	2.89	200.
6183	76	PLYM	VOLA	318	1	HI SPEED	24.0	30.	.01	3111.
						LO SPEED		14.	.02	1017.
						IDLE		6.	.01	90.
6183	76	PLYM	VOLA	318	2	HI SPEED	24.0	18.	.01	1537.
						LO SPEED		11.	.01	540.
						IDLE		9.	.01	70.
6183	76	PLYM	VOLA	318	3	HI SPEED	24.0	19.	0.00	1215.
						LO SPEED		20.	0.00	789.
						IDLE		11.	0.00	100.
6183	76	PLYM	VOLA	318	4	HI SPEED	25.0	14.	.01	1128.
						LO SPEED		20.	.01	1333.
						IDLE		14.	0.00	99.
6184	76	TOYO	CORO	134	1	HI SPEED	15.0	6.	.01	1041.
						LO SPEED		5.	.01	674.
						IDLE		0.	.01	44.
6185	76	MERC	MONA	351	1	HI SPEED	24.0	132.	1.58	829.
						LO SPEED		96.	2.63	215.
						IDLE		169.	4.40	87.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	IHP	HC,PPMHEX	CO,PCT	NO,PPM
6185	76	MERC	MONA	351	3	HI SPEED	24.0	27.	.01	916.
						LO SPEED		10.	0.00	290.
						IDLE		22.	0.00	211.
6185	76	MERC	MONA	351	4	HI SPEED	15.0	27.	.01	805.
						LO SPEED		13.	0.00	335.
						IDLE		18.	0.00	154.
6187	76	FORD	PINT	140	1	HI SPEED	15.0	39.	.03	792.
						LO SPEED		75.	.01	197.
						IDLE		352.	0.00	152.
6187	76	FORD	PINT	140	3	HI SPEED	15.0	35.	.02	741.
						LO SPEED		73.	0.00	219.
						IDLE		276.	0.00	118.
6187	76	FORD	PINT	140	4	HI SPEED	15.0	39.	.02	938.
						LO SPEED		39.	.04	127.
						IDLE		70.	.04	36.
5188	75	FORD	TORI	351	1	HI SPEED	30.0	24.	.02	697.
						LO SPEED		13.	.04	105.
						IDLE		25.	0.00	71.
5188	75	FORD	TORI	351	2	HI SPEED	30.0	46.	.08	771.
						LO SPEED		31.	.28	113.
						IDLE		278.	4.35	81.
5188	75	FORD	TORI	351	3	HI SPEED	30.0	23.	.04	824.
						LO SPEED		14.	.05	130.
						IDLE		32.	0.00	166.
5188	75	FORD	TORI	351	4	HI SPEED	30.0	33.	.02	709.
						LO SPEED		25.	.03	117.
						IDLE		35.	0.00	126.
6189	76	CHEV	CHET	97	2	HI SPEED	15.0	7.	0.00	209.
						LO SPEED		5.	0.00	47.
						IDLE		7.	0.00	55.
7190	77	CHEV	CAMA	250	1	HI SPEED	24.0	26.	.01	2102.
						LO SPEED		16.	0.00	509.
						IDLE		12.	0.00	123.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	IHP	HC,PPMHEX	CO,PCT	NO,PPM
7190	77	CHEV	CAMA	250	2	HI SPEED	24.0	26.	0.00	2281.
						LO SPEED		14.	0.00	470.
						IDLE		7.	0.00	159.
7190	77	CHEV	CAMA	250	4	HI SPEED	24.0	33.	0.00	2105.
						LO SPEED		23.	0.00	378.
						IDLE		23.	0.00	73.
7193	77	PONT	VENT	350	1	HI SPEED	24.0	5.	.01	1163.
						LO SPEED		11.	0.00	350.
						IDLE		9.	0.00	67.
5194	75	FORD	TORI	351	1	HI SPEED	30.0	17.	.05	871.
						LO SPEED		8.	.04	132.
						IDLE		15.	0.00	105.
5194	75	FORD	TORI	351	2	HI SPEED	30.0	4.	.05	722.
						LO SPEED		1.	0.00	219.
						IDLE		15.	0.00	113.
5194	75	FORD	TORI	351	3	HI SPEED	30.0	19.	.04	1433.
						LO SPEED		7.	.04	109.
						IDLE		41.	.53	207.
5194	75	FORD	TORI	351	4	HI SPEED	30.0	10.	.05	600.
						LO SPEED		5.	.02	93.
						IDLE		13.	0.00	135.
6199	76	TOYO	CORO	97	1	HI SPEED	15.0	1.	.01	864.
						LO SPEED		1.	.01	195.
						IDLE		2.	.02	60.
6200	76	VOLK	RABB	97	1	HI SPEED	15.0	309.	7.29	430.
						LO SPEED		426.	9.89	91.
						IDLE		546.	10.18	17.
5201	75	MERC	MONA	302	1	HI SPEED	24.0	10.	.77	888.
						LO SPEED		14.	.42	413.
						IDLE		40.	.20	58.
5201	75	MERC	MONA	302	3	HI SPEED	24.0	40.	.21	345.
						LO SPEED		27.	.13	151.
						IDLE		36.	.05	136.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	IHP	HC,PPMHEX	CO,PCT	NO,PPM
5201	75	MERC	MONA	302	4	HI SPEED	24.0	25.	.08	149.
						LO SPEED		10.	.03	81.
						IDLE		21.	.01	60.
5203	75	TOYO	CELI	134	1	HI SPEED	15.0	34.	.47	552.
						LO SPEED		21.	.47	155.
						IDLE		11.	.03	36.
5204	75	CHEV	MONZ	140	2	HI SPEED	15.0	38.	1.37	223.
						LO SPEED		53.	1.19	59.
						IDLE		79.	.93	123.
5204	75	CHEV	MONZ	140	3	HI SPEED	15.0	30.	.67	128.
						LO SPEED		36.	.58	53.
						IDLE		52.	.31	81.
5204	75	CHEV	MONZ	140	4	HI SPEED	15.0	65.	1.23	368.
						LO SPEED		78.	1.41	182.
						IDLE		113.	.87	160.
6205	76	FORD	PINT	140	1	HI SPEED	15.0	48.	.72	1231.
						LO SPEED		48.	1.23	126.
						IDLE		29.	.75	23.
6205	76	FORD	PINT	140	2	HI SPEED	15.0	57.	.90	870.
						LO SPEED		47.	1.02	64.
						IDLE		34.	.85	33.
6205	76	FORD	PINT	140	4	HI SPEED	15.0	40.	.83	666.
						LO SPEED		40.	.93	69.
						IDLE		73.	.24	43.
5206	75	DATS	B210	85	1	HI SPEED	15.0	30.	.04	774.
						LO SPEED		32.	.01	545.
						IDLE		17.	.03	18.
5206	75	DATS	B210	85	2	HI SPEED	15.0	40.	.05	1178.
						LO SPEED		37.	.02	773.
						IDLE		9.	.03	21.
5206	75	DATS	B210	85	4	HI SPEED	15.0	50.	.03	1211.
						LO SPEED		44.	.02	806.
						IDLE		12.	.04	22.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	IHP	HC,PPMHEX	CO,PCT	NO,PPM
6207	76	OLDS	CUTL	350	1	HI SPEED	30.0	9.	0.00	552.
						LO SPEED		4.	0.00	211.
						IDLE		147.	3.57	71.
6207	76	OLDS	CUTL	350	3	HI SPEED	30.0	5.	0.00	610.
						LO SPEED		1.	0.00	214.
						IDLE		2.	0.00	174.
7208	77	CHEV	STAW	350	1	HI SPEED	30.0	9.	.02	667.
						LO SPEED		7.	.01	302.
						IDLE		15.	.01	43.
7208	77	CHEV	STAW	350	3	HI SPEED	30.0	13.	.02	1065.
						LO SPEED		7.	.01	361.
						IDLE		11.	0.00	121.
7208	77	CHEV	STAW	350	4	HI SPEED	30.0	21.	.02	713.
						LO SPEED		14.	.01	319.
						IDLE		17.	0.00	83.
5209.	75	DATS	STAW	119	1	HI SPEED	15.0	38.	.42	780.
						LO SPEED		56.	.55	775.
						IDLE		25.	.01	97.
6210	76	MERC	COUG	351	1	HI SPEED	30.0	1.	.76	140.
						LO SPEED		4.	.02	95.
						IDLE		2.	0.00	137.
6210	76	MERC	COUG	351	2	HI SPEED	30.0	16.	.44	243.
						LO SPEED		6.	0.00	190.
						IDLE		18.	0.00	153.
6210	76	MERC	COUG	351	3	HI SPEED	30.0	2.	.16	244.
						LO SPEED		1.	.01	170.
						IDLE		14.	0.00	149.
6210	76	MERC	COUG	351	4	HI SPEED	30.0	13.	.24	226.
						LO SPEED		10.	0.00	140.
						IDLE		37.	0.00	113.
7211	77	OLDS	CUTL	350	1	HI SPEED	24.0	11.	.01	447.
						LO SPEED		11.	0.00	267.
						IDLE		9.	0.00	88.

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VEH	YR	MAKE	MODEL	CID	SN	MODE	IHP	HC,PPMHEX	CO,PCT	NO,PPM
7212	77	OLDS	CUTL	350	1	HI SPEED	24.0	15.	0.00	659.
						LO SPEED		17.	0.00	300.
						IDLE		14.	0.00	50.
7212	77	OLDS	CUTL	350	3	HI SPEED	24.0	22.	0.00	644.
						LO SPEED		16.	0.00	230.
						IDLE		13.	0.00	75.
7212	77	OLDS	CUTL	350	4	HI SPEED	24.0	14.	0.00	796.
						LO SPEED		8.	0.00	189.
						IDLE		5.	0.00	52.
7213	77	OLDS	CUTL	350	1	HI SPEED	24.0	7.	.01	888.
						LO SPEED		6.	0.00	431.
						IDLE		13.	.01	54.
5214	75	FORD	LTD	460	1	HI SPEED	30.0	14.	.26	565.
						LO SPEED		9.	.07	121.
						IDLE		8.	.02	115.
5214	75	FORD	LTD	460	3	HI SPEED	30.0	20.	.25	357.
						LO SPEED		18.	.04	120.
						IDLE		19.	.01	166.
5214	75	FORD	LTD	460	4	HI SPEED	30.0	1.	.13	400.
						LO SPEED		1.	.03	108.
						IDLE		3.	.01	160.
6215	76	MERC	COUG	351	1	HI SPEED	30.0	29.	.07	781.
						LO SPEED		24.	.13	261.
						IDLE		134.	5.95	71.
6215	76	MERC	COUG	351	3	HI SPEED	30.0	24.	.04	673.
						LO SPEED		20.	.05	294.
						IDLE		46.	0.00	75.
6215	76	MERC	COUG	351	4	HI SPEED	30.0	11.	.04	632.
						LO SPEED		12.	.04	285.
						IDLE		16.	0.00	138.
6216	76	FORD	MUST	171	1	HI SPEED	24.0	78.	.71	1939.
						LO SPEED		72.	.18	1369.
						IDLE		36.	.05	100.

APPENDIX H

LISTING OF KEY MODE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEH	YR	MAKE	MODEL	CID	SN	MODE	IHP	HC,PPMHEX	CO,PCT	NO,PPM
6217	76	CADI	DEVI	500	1	HI SPEED	30.0	9.	.01	535.
						LO SPEED		12.	0.00	324.
						IDLE		6.	0.00	189.
5218	75	CHEV	CAPR	400	1	HI SPEED	30.0	921.	.51	623.
						LO SPEED		168.	.19	616.
						IDLE		94.	.12	150.
5219	75	FORD	PINT	140	1	HI SPEED	15.0	21.	1.31	139.
						LO SPEED		22.	.82	65.
						IDLE		24.	.19	40.
5220	75	FORD	ELIT	351	1	HI SPEED	30.0	68.	.17	1860.
						LO SPEED		87.	.15	547.
						IDLE		291.	.97	66.
5221	75	FORD	PINT	140	1	HI SPEED	15.0	7.	.04	522.
						LO SPEED		4.	.03	105.
						IDLE		14.	0.00	34.
6222	76	MERC	STAW	351	1	HI SPEED	30.0	29.	.05	514.
						LO SPEED		41.	.02	499.
						IDLE		420.	6.94	66.
5223	75	CHEV	STAW	350	1	HI SPEED	30.0	49.	.46	2369.
						LO SPEED		64.	.71	1237.
						IDLE		233.	3.57	52.
7224	77	CHEV	CAMA	305	1	HI SPEED	24.0	16.	.02	969.
						LO SPEED		16.	0.00	381.
						IDLE		230.	.89	34.
5225	75	CHEV	MONZ	140	1	HI SPEED	15.0	70.	.43	1518.
						LO SPEED		65.	.40	547.
						IDLE		56.	.04	206.
6227	76	LINC	CONT	460	1	HI SPEED	30.0	18.	.07	486.
						LO SPEED		9.	0.00	127.
						IDLE		449.	9.95	23.
5228	75	PONT	GRNV	400	1	HI SPEED	30.0	20.	.01	1735.
						LO SPEED		19.	.01	566.
						IDLE		33.	.36	22.

APPENDIX H

LISTING OF KEY MODE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, BEFORE REST. MAINT.; SN=2, AFTER CORR. OF MALADJ OR DISABLE;
SN=3, AFTER CORR. OF IDLE RPM AND CO; SN=4, AFTER TUNEUP AND CORR. OF FAILED EM. COMP.

VEH	YR	MAKE	MODEL	CID	SN	MODE	IHP	HC,PPMHEX	CO,PCT	NO,PPM
5229	75	FORD	PINT	171	1	HI SPEED	15.0	11.	.12	632.
						LO SPEED		7.	.09	165.
						IDLE		25.	.06	72.
6230	76	BUIC	REGA	350	1	HI SPEED	30.0	15.	.01	1668.
						LO SPEED		12.	.01	612.
						IDLE		8.	.05	48.
5231	75	CADI	COUP	500	1	HI SPEED	30.0	18.	.08	120.
						LO SPEED		12.	0.00	101.
						IDLE		9.	0.00	47.

APPENDIX I

LISTING OF RESTORATIVE MAINTENANCE COSTS ON INDIVIDUAL VEHICLES

APPENDIX I

LISTING OF RESTORATIVE MAINTENANCE COSTS ON INDIVIDUAL VEHICLES

VEH. NO.	MALADJUSTMENT AND DISABLEMENT INSP. LABOR	MALADJUSTMENT AND DISABLEMENT PARTS COST	MAJOR TUNE-UP PARTS COST	TOTAL LABOR	TOTAL PARTS	TOTAL COST
5179	52.80	3.45	42.95	52.80	46.40	99.20
6180	44.00	31.95	35.95	44.00	67.90	111.90
5182	44.00	16.60	41.11	44.00	57.71	101.71
6183	41.80		36.08	41.80	36.08	77.88
6185	44.00	5.30	26.16	44.00	31.46	75.46
6186	50.60		25.45	50.60	25.45	76.05
6187	52.80		29.05	52.80	29.05	81.85
5188	39.60		26.93	39.60	26.93	66.53
6189	39.60			39.60	0.00	39.60
7190	33.00		26.83	33.00	26.83	59.83
5194	39.60		38.06	39.60	38.06	77.66
5196	44.00		22.80	44.00	22.80	66.80
5198	44.00		22.75	44.00	22.75	66.75
5201	44.00		26.38	44.00	26.38	70.38
5204	48.40		30.09	48.40	30.09	78.49
6205	57.20		21.38	57.20	21.38	78.58
5206	52.80		19.67	52.80	19.67	72.47
6207	48.40			48.40	0.00	48.40
7208	37.40		24.69	37.40	24.69	62.09
6210	46.20	12.00	25.57	46.20	37.57	83.77
7212	41.80		25.15	41.80	25.15	66.95
5214	48.40		25.48	48.40	25.48	73.88
6215	44.00	2.66	28.83	44.00	31.49	75.49
9062	55.00			55.00	0.00	55.00
9126	28.60			28.60	0.00	28.60
6151	77.00			77.00	0.00	77.00
6152	88.00		37.46	88.00	37.46	125.46
6153	94.60	4.58	29.46	94.60	34.07	128.64

NOTE: LABOR COST BASED ON $22.00 PER HOUR PARTS BASED ON RETAIL PARTS COST

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VEH. NO.	MALADJUSTMENT AND DISABLEMENT INSP. LABOR	MALADJUSTMENT AND DISABLEMENT PARTS COST	MAJOR TUNE-UP PARTS COST	TOTAL LABOR	TOTAL PARTS	TOTAL COST
6154	110.00			110.00	0.00	110.00
6155	88.00		36.65	88.00	36.65	124.65
5157	88.00	10.95	29.10	88.00	40.05	128.05
6158	77.00		40.68	77.00	40.68	117.68
6159	66.00		29.95	66.00	29.95	95.95
6160	55.00	7.00	44.59	55.00	51.59	106.59
5161	55.00	60.97	30.16	55.00	91.13	146.13
5162	66.00	4.58	31.14	66.00	35.72	101.72
6163	44.00	3.55	0.00	44.00	3.55	47.55
6164	52.80	74.11	33.53	52.80	107.64	160.44
6165	48.40	88.40	32.78	48.40	121.18	169.58
6166	44.00		29.03	44.00	29.03	73.03
7167	44.00	16.60	25.25	44.00	41.85	85.85
5168	44.00		31.85	44.00	31.85	75.85
6169	33.00		28.71	33.00	28.71	61.70
6170	39.60	7.20	37.64	39.60	44.84	84.44
6171	39.60		42.32	39.60	42.32	81.92
6172	44.00	9.50	30.01	44.00	39.51	83.51
6173	39.60			39.60	0.00	39.60
6175	44.00		29.78	44.00	29.78	73.78
5176	55.00	98.92	29.20	55.00	128.12	183.12
5178	44.00	9.98	22.25	44.00	32.23	76.23

NOTE: LABOR COST BASED ON $22.00 PER HOUR PARTS BASED ON RETAIL PARTS COST

APPENDIX J

LISTING OF COMMERCIAL ADJUSTMENT RESULTS ON INDIVIDUAL VEHICLES

APPENDIX J

LISTING OF COMMERCIAL ADJUSTMENT RESULTS ON INDIVIDUAL VEHICLES

				BEFORE						CAPS	AFTER				LAB SET				Δ ¼ TURNS	
DATE	VEH NO	MAKE	MODEL	IHC	ICO	IRPM		FACILITY	COST	INST	IHC	ICO	IRPM		IHC	ICO	IRPM		LEFT	RIGHT
03/05	6184	Toyota	Corona	15	.02	775	(-125)	Gas Sta	$13.00	No	50	0.03	725	(-175)	40	0.02	850	(-50)	0	-
03/08	6177	Pont	Ventura	20	3.00	525	(-75)	Gas Sta	14.00	No	100	1.10	580	(-20)	90	0.40	575	(-25)	+3	-
04/19	7211	Olds	Cutlass	25	0.03	590	(+40)	Gas Sta	15.00	Yes	20	0.03	575	(+25)	15	0.02	550	(0)	+3	+3
04/19	7213	Olds	Cutlass	20	0.01	440	(-110)	Gas Sta	18.50	Yes	25	0.01	550	(0)	15	0.01	550	(0)	+1	+1
04/24	5221	Ford	Pinto	20	0.05	900	(0)	Gas Sta	19.95	No	40	0.02	750	(-150)	10	0.01	900	(0)	-1	-
04/24	6222	Merc	StaW	670	8.00	425	(-225)	Gas Sta	15.00	No	400	2.20	500	(-150)	150	0.30	650	(0)	-9	+5
04/20	5223	Chev	Caprice	200	3.10	600	(0)	Dealer	17.69	No	50	0.03	530	(-70)	45	0.02	600	(0)	+2	0
04/26	5225	Chev	Monza	50	0.05	720	(-30)	Gas Sta	15.00	No	40	0.05	700	(-50)	30	0.05	750	(0)	+1	-
04/27	6227	Linc	Cont	425	8.20	400	(-250)	Dealer	15.18	No	600	8.50	390	(-260)	30	0.01	650	(0)	+8	+4
04/28	5220	Ford	Elite	290	1.20	550	(-50)	Gas Sta	18.50	Yes	200	3.00	535	(-65)	100	0.30	650	(+50)	+14	+15
04/30	7224	Chev	Camaro	740	2.50	300	(-200)	Dealer	27.84	No	200	2.20	550	(+50)	200	1.60	500	(0)	+1	+1
04/30	5228	Pont	Gr Ville	50	0.02	525	(-75)	Dealer	18.00	No	30	0.01	600	(0)	30	0.01	600	(0)	+1	0
04/30	5229	Ford	Pinto	40	0.05	625	(-75)	Dealer	13.00	No	50	0.10	690	(-10)	20	0.02	700	(0)	+1	+1
04/30	6230	Buick	Regal	100	0.05	480	(-120)	Dealer	22.00	No	40	0.10	585	(-15)	40	0.03	600	(0)	+4	+3
05/07	5235	Chev	Camaro	1100	0.50	510	(-90)	Dealer	17.69	No	450	2.00	430	(-170)	80	0.70	600	(0)	-3	+9
05/07	6239	Olds	StaW	60	0.01	650	(+50)	Dealer	20.00	No	60	0.01	575	(-25)	60	0.01	600	(0)	+4	-1
05/09	5241	Toyota	Celica	40	0.90	650	(-200)	Dealer	10.00	No	10	0.50	810	(-40)	10	0.40	850	(0)	+1	-
05/21	5246	Ford	Ranchero	10	0.01	550	(-150)	Gas Sta	19.95	No	10	0.02	600	(-100)	5	0.01	700	(0)	+7	-1
05/16	6247	Merc	Cougar	150	0.01	650	(+50)	Gas Sta	19.95	No	30	5.75	560	(-40)	20	0.02	650	(+50)	+9	+2
05/21	5248	Fiat	131S	500	4.00	850	(0)	Gas Sta	19.95	No	200	4.50	790	(-60)	175	3.00	850	(0)	+6	-
05/25	5250	Merc	Monarch	50	0.01	460	(-140)	Dealer	17.67	No	30	0.01	550	(-50)	25	0.01	600	(0)	+3	-
05/23	6192	Ford	LTD	700	10.00	600	(-50)	Gas Sta	19.95	No	500	2.50	575	(-75)	500	2.20	650	(0)	+1	+1
05/24	8127	Ford	Pinto	550	10.00	500	(-250)	Dealer	17.67	No	150	8.10	740	(-10)	25	0.01	750	(0)	+3	-
05/31	5065	Ford	Pinto	350	0.06	1050	(+150)	Dealer	17.67	No	50	0.10	800	(-100)	40	0.10	900	(0)	0	-
05/31	5034	Ford	Granada	30	0.30	650	(0)	Dealer	17.67	No	100	0.60	570	(-80)	90	0.60	650	(0)	0	0
06/01	6040	Ford	Pinto	30	0.20	825	(-25)	Dealer	17.67	No	10	0.01	900	(+50)	5	0.01	850	(0)	+1	-
06/05	7070	Olds	StaW	15	0.01	625	(+75)	Ind Gar	4.00	No	15	0.01	600	(+50)	10	0.01	550	(0)	-1	+4
06/07	8015	Ford	Fiesta	970	3.75	800	(-50)	Gas Sta	5.00	No	900	3.00	575	(-275)	190	0.05	850	(0)	+8	-
06/08	6045	Ford	Granada	20	2.25	700	(0)	Dealer	17.67	Yes	20	2.00	700	(0)	20	0.04	700	(0)	+4	+4
06/08	7063	Pont	Gr Prix	110	0.01	525	(-25)	Dealer	17.67	No	500	0.15	515	(-35)	40	0.01	550	(0)	+2	0

NOTE: ICO = IDLE CO%
IHC = IDLE HC ppm/HEXANE
Δ = CHANGE (+ = NUMBER OF ¼ TURNS RICH; - = NUMBER OF ¼ TURNS LEAN)
IRPM = IDLE RPM (NUMBER SHOWN IN PARENTHESES IS THE DIFFERENCE FROM MANUFACTURER SPECIFICATION; + = GREATER THAN; - = LESS THAN)

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